

# Kuipers & Associates

Sarah Zuzulock, PE

Senior Environmental Engineer PO Box 1859  
[szuzulock@kuipersassoc.com](mailto:szuzulock@kuipersassoc.com) Bozeman, MT 59771

Phone: (406)585-9932  
Fax: (406)585-9889

*Kuipers & Associates, LLC*

---

Date: November 20, 2009

To: Anaconda Deer Lodge County

From: Kuipers & Associates

Subject: **Ambient Air Quality Monitoring  
Opportunity and Warm Springs Sites  
October 2009 Monthly Report**

---

This October 2009 report documents the ambient air quality monitoring program conducted by Kuipers & Associates on behalf of Anaconda Deer Lodge County at the Opportunity and Warm Springs locations adjacent to the Atlantic Richfield Lower Waste Management Area (LWMA). Total Suspended Particulate (TSP) is monitored at Opportunity, and PM10 at Warm Springs. Additionally, wind speed, wind direction, temperature and relative humidity are monitored at both sites.

All data, discussion and conclusions provided in this report are preliminary and will undergo a complete quality assurance review prior to issuance of final results in quarterly and annual reports in accordance with the project Sampling and Analysis Plan. Results for the month are summarized as follows:

- Hourly average data were collected continuously by the monitors from October 1<sup>st</sup> through October 31<sup>st</sup>, with 96.6% availability for TSP at the Opportunity location and 97.8% availability for PM10 at the Warm Springs location.
  - Downtime at the Opportunity location occurred on October 16 at 13:00 MST, and on October 30 from 16:00 MST through 17:00 MST for routine maintenance.
  - The following PM10 data periods for the Opportunity location were excluded from analysis because instrument readings may have been impacted by snow events: On October 7 from 10:00 MST through 16:00 MST, and from October 8 at 22:00 MST through October 9 at 12:00 MST.
  - Downtime at the Warm Springs location occurred on October 16 at 12:00 MST, and on October 30 from 14:00 MST through 15:00 MST for routine maintenance.
  - PM10 data for the Warm Springs location from October 8 at 22:00 MST through October 9 at 09:00 MST also were excluded because instrument readings may have been impacted by snow events. Additionally, an apparent spurious reading occurring on October 10 at 17:00 MST was excluded.
- The hourly average data record for the month is attached to the end of this report. Current data is available for real-time electronic download on demand, and public viewing at: <http://ka.airsis.com/vision/login.aspx?ReturnUrl=%2fvision%2fDefault.aspx> (Username = ADLC, Password = OCPA).

- Monthly and quarterly air monitoring reports from June 2007 through present are now available on the County's website at:  
[http://anacondadeerlodge.mt.gov/super/info.aspx#q\\_reports](http://anacondadeerlodge.mt.gov/super/info.aspx#q_reports).
- At the Opportunity location the maximum TSP reading for the period on a daily average basis was 24  $\mu\text{g}/\text{m}^3$ , and the average monthly concentration was 7  $\mu\text{g}/\text{m}^3$ . The maximum reading for the period on an hourly average basis was 103  $\mu\text{g}/\text{m}^3$ . This value was associated with fairly strong north winds, indicating that the Lower Waste Management Area (LWMA) may have been a contributing source. The four highest daily and hourly maximum values are summarized in Table 1, and the average daily data for the month is attached together with meteorological information in Table 3.
- At the Warm Springs location the maximum PM10 reading for the period on a daily average basis was 10  $\mu\text{g}/\text{m}^3$ , and the average monthly concentration was 4  $\mu\text{g}/\text{m}^3$ . The maximum reading for the period on an hourly average basis was 38  $\mu\text{g}/\text{m}^3$ . This value was associated with moderate north-northwest winds, indicating that the LWMA was probably not a contributing source. The four highest daily and hourly maximum values are summarized in Table 2, and the average daily data for the month is attached together with meteorological information in Table 4.

**Table 1**  
**Opportunity Site TSP Maximum Data, October 2009**

Maximum	TSP ( $\mu\text{g}/\text{m}^3$ )	Date & Time (MST)	Wind Speed (mph)	Wind Direction (deg)
Daily 1st Max	24	10/4/2009	11.7	8
Daily 2nd Max	14	10/13/2009	6.4	152
Daily 3rd Max	13	10/3/2009	6.5	15
Daily 4th Max	11	10/26/2009	8.3	NO DATA
Hourly 1st Max	103	10/4/2009 12:00	14.3	6
Hourly 2nd Max	56	10/4/2009 13:00	14.1	6
Hourly 3rd Max	55	10/4/2009 18:00	11.6	3
Hourly 4th Max	45	10/3/2009 18:00	14.1	8

**Table 2**  
**Warm Springs Site PM10 Maximum Data, October 2009**

Maximum	PM10 ( $\mu\text{g}/\text{m}^3$ )	Date & Time (MST)	Wind Speed (mph)	Wind Direction (deg)
Daily 1st Max	10	10/13/2009	4.5	160
Daily 2nd Max	7	10/23/2009	5.7	206
Daily 3rd Max	7	10/12/2009	1.8	41
Daily 4th Max	6	10/1/2009	5.7	259
Hourly 1st Max	38	10/7/2009 10:00	7.8	340
Hourly 2nd Max	32	10/23/2009 14:00	9.4	205
Hourly 3rd Max	30	10/23/2009 15:00	8.3	217
Hourly 4th Max	27	10/13/2009 05:00	1.6	25

- There are no Montana or Federal air quality standards for TSP; both were replaced by the current PM10 standard in 1987. Prior to 1987 the Montana annual TSP standard was 75  $\mu\text{g}/\text{m}^3$ , the 24-hour standard was 200  $\mu\text{g}/\text{m}^3$  and there was no hourly standard. TSP results for October at Opportunity were well below these historical standards. Monitoring for PM10 from May 2007 through June of 2008 showed that PM10 concentrations were consistently below regulatory levels. To facilitate comparison with previously collected PM10 data, the TSP data are being reported at Local temperature and pressure conditions.
- At the Warm Springs monitoring site daily average PM10 results for the month of October were well below the 24-hour Montana Ambient Air Quality Standard of 150  $\mu\text{g}/\text{m}^3$ . The average monthly concentration was below the annual PM10 standard of 50  $\mu\text{g}/\text{m}^3$ . There currently is no State or Federal standard for hourly PM10 data.
- Precipitation for the month was well above average based on weather records for the Butte airport.
- Wind roses are attached to graphically depict prevailing winds.
  - Figure 1 shows the Opportunity location, where the predominant wind directions in October were from the southwest quadrant, and also from the north.
  - Figure 2 shows the Warm Springs location, where winds were mostly from southerly and northerly directions.
- If a dust storm event or nuisance dust in general is observed, please contact us so that we may respond, and try to quantify and document the problem. We are available seven days per week 24 hours per day and ask that you contact the following (in order) until someone is notified.

**Dust Event Contacts:**

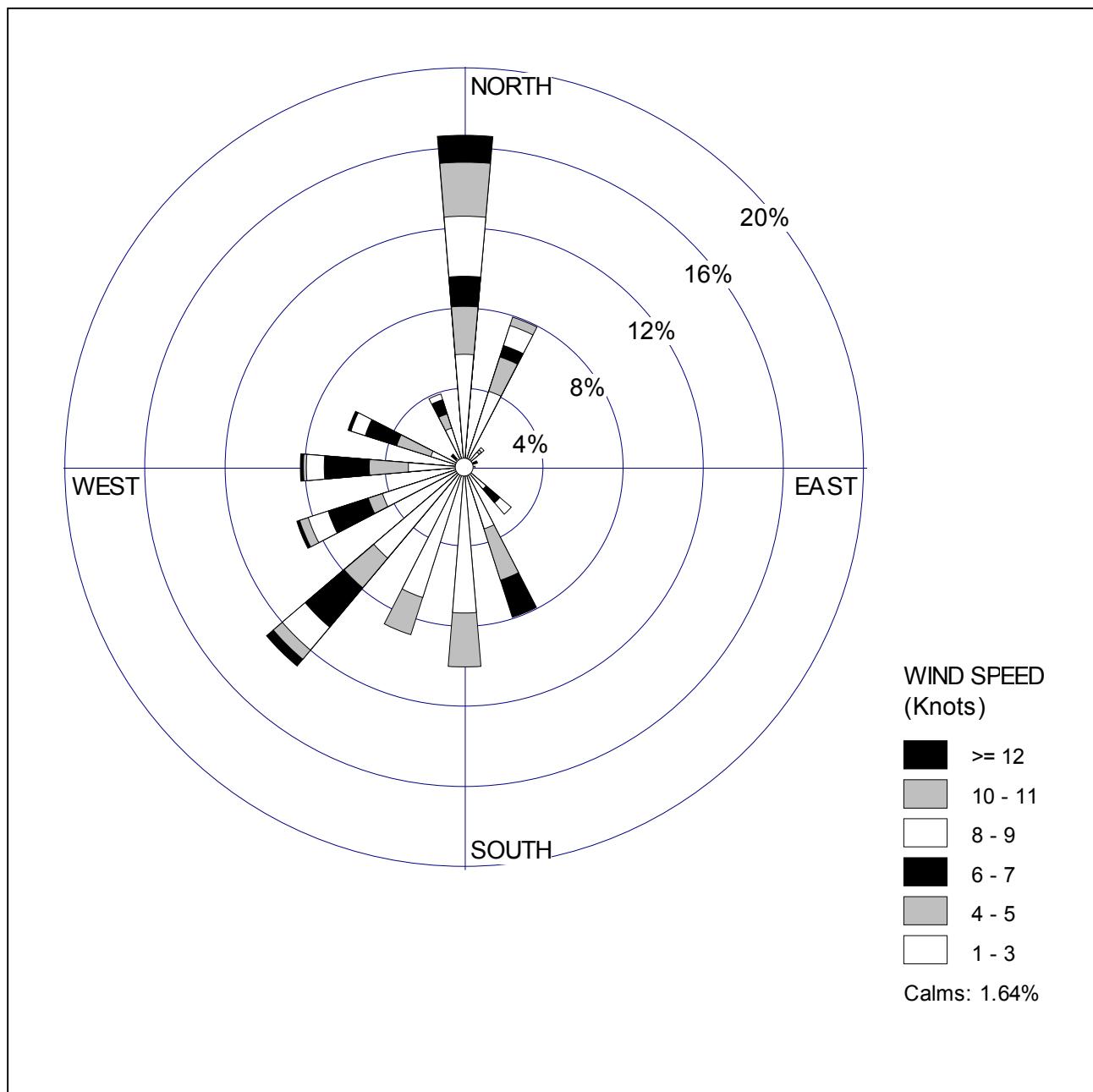
Steve Heck	498-4199
David Dobrinien	490-9205
Jim Kuipers	782-3441, then 459-0445
Sarah Zuzulock	585-9932, then 581-1355

**Table 3**  
**Opportunity Site Daily Average Data**

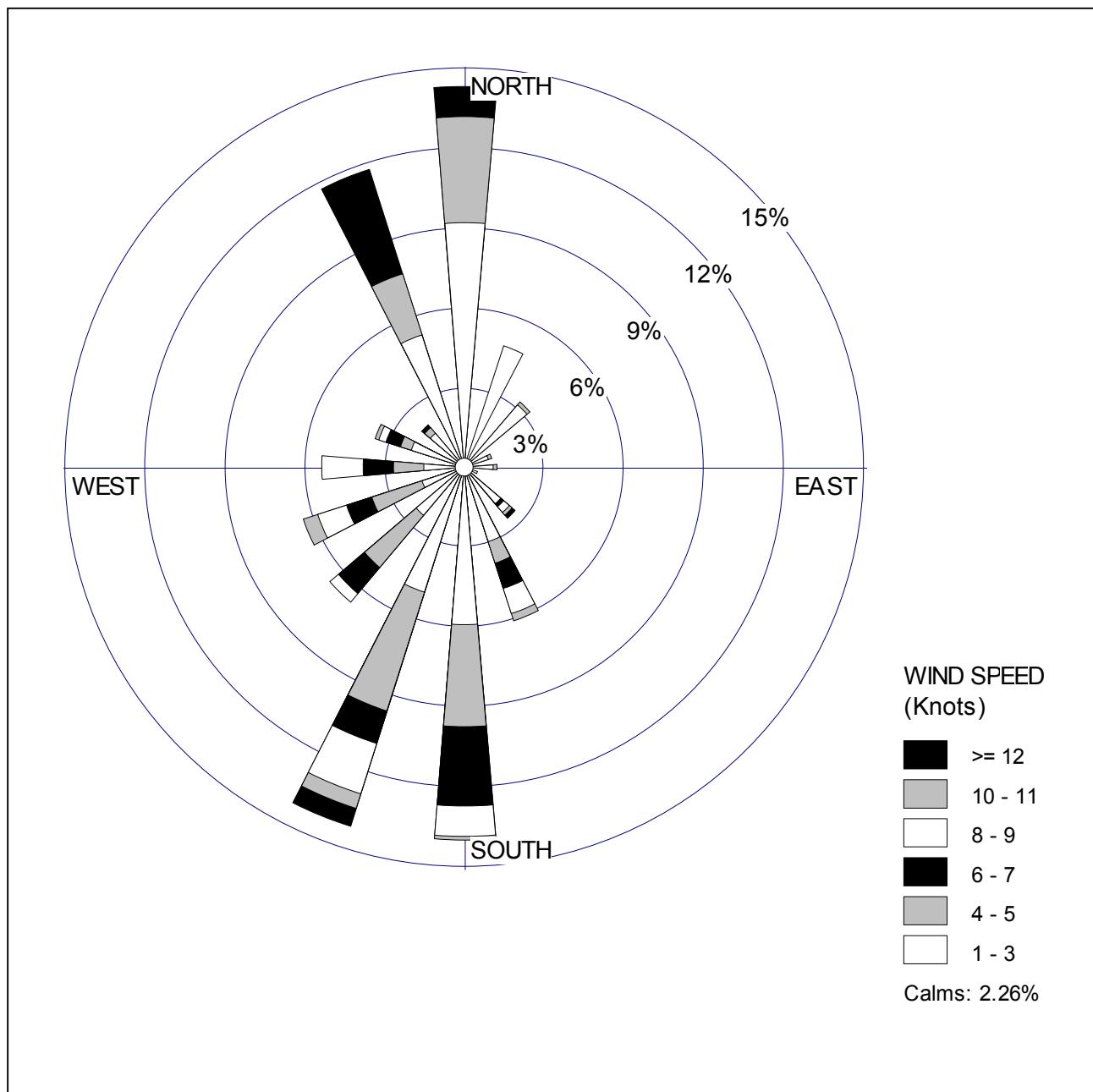
Date	TSP Daily ( $\mu\text{g}/\text{m}^3$ )	Wind Speed Daily (meters per second)	Wind Speed Daily (miles per hour)	Wind Direction Daily (degrees true)	Air Temperature Daily (Celsius)	Air Temperature Daily (Fahrenheit)	Relative Humidity Daily (percent)
October 1, 2009	9	2.7	6.0	269	3.2	37.7	55
October 2, 2009	7	1.7	3.7	210	4.1	39.3	57
October 3, 2009	13	2.9	6.5	15	3.1	37.5	65
October 4, 2009	24	5.2	11.7	8	1.3	34.4	70
October 5, 2009	8	3.7	8.4	6	0.3	32.5	70
October 6, 2009	8	2.6	5.7	247	4.2	39.6	53
October 7, 2009	6	2.4	5.4	351	0.2	32.4	74
October 8, 2009	4	2.3	5.1	288	-1.2	29.9	66
October 9, 2009	3	2.9	6.5	354	-9.4	15.1	69
October 10, 2009	4	1.3	2.8	3	-9.3	15.2	66
October 11, 2009	6	1.2	2.7	3	-9.6	14.6	66
October 12, 2009	9	1.6	3.6	176	-6.1	21.0	65
October 13, 2009	14	2.9	6.4	152	4.1	39.4	58
October 14, 2009	6	2.7	6.0	213	8.6	47.5	62
October 15, 2009	9	1.8	3.9	293	5.5	41.8	70
October 16, 2009	8	1.4	3.2	196	6.7	44.1	67
October 17, 2009	7	2.4	5.5	180	12.8	55.1	47
October 18, 2009	7	1.7	3.8	336	9.1	48.5	63
October 19, 2009	4	0.9	2.1	357	3.5	38.3	87
October 20, 2009	3	0.9	2.0	3	3.5	38.3	84
October 21, 2009	5	2.7	6.1	221	4.5	40.1	71
October 22, 2009	4	2.0	4.6	272	5.9	42.6	63
October 23, 2009	5	2.8	6.2	224	4.9	40.7	68
October 24, 2009	5	3.1	7.0	275	4.5	40.0	53
October 25, 2009	5	1.3	2.9	NO DATA	1.7	35.0	55
October 26, 2009	11	3.7	8.3	NO DATA	6.9	44.4	51
October 27, 2009	5	2.5	5.6	4	-0.4	31.2	65
October 28, 2009	6	1.6	3.5	335	-1.9	28.6	77
October 29, 2009	9	2.2	4.8	229	-2.7	27.2	66
October 30, 2009	5	2.4	5.4	260	5.0	41.1	70
October 31, 2009	5	3.5	7.9	228	8.2	46.8	59

**Table 4**  
**Warm Springs Site Daily Average Data**

Date	PM10 Daily ( $\mu\text{g}/\text{m}^3$ )	Wind Speed Daily (meters per second)	Wind Speed Daily (miles per hour)	Wind Direction Daily (degrees true)	Air Temperature Daily (Celsius)	Air Temperature Daily (Fahrenheit)	Relative Humidity Daily (percent)
October 1, 2009	6	2.5	5.7	259	3.7	38.6	56
October 2, 2009	3	1.9	4.3	196	5.2	41.3	56
October 3, 2009	4	1.9	4.4	7	4.3	39.7	65
October 4, 2009	2	2.8	6.2	350	2.1	35.7	69
October 5, 2009	2	2.3	5.2	347	0.8	33.4	71
October 6, 2009	4	3.3	7.4	238	5.0	41.1	53
October 7, 2009	6	2.2	4.9	345	0.6	33.0	74
October 8, 2009	1	2.7	6.1	291	-0.8	30.6	65
October 9, 2009	5	2.1	4.7	348	-9.3	15.2	68
October 10, 2009	4	1.1	2.4	349	-9.4	15.1	65
October 11, 2009	5	0.9	2.0	348	-10.0	14.0	66
October 12, 2009	7	0.8	1.8	41	-6.2	20.8	65
October 13, 2009	10	2.0	4.5	160	4.7	40.4	59
October 14, 2009	4	3.1	7.0	192	9.7	49.4	60
October 15, 2009	2	1.5	3.4	246	5.8	42.4	72
October 16, 2009	6	1.1	2.6	181	6.4	43.5	71
October 17, 2009	3	3.4	7.6	177	14.5	58.1	44
October 18, 2009	3	1.5	3.4	10	10.7	51.3	64
October 19, 2009	2	0.8	1.7	123	4.2	39.5	88
October 20, 2009	3	0.9	2.0	46	3.8	38.8	85
October 21, 2009	4	2.1	4.7	200	5.3	41.5	76
October 22, 2009	3	1.5	3.5	209	6.2	43.2	79
October 23, 2009	7	2.6	5.7	206	5.6	42.0	70
October 24, 2009	1	2.8	6.2	258	5.5	41.9	62
October 25, 2009	2	1.6	3.6	203	1.5	34.7	71
October 26, 2009	4	4.5	10.1	201	7.8	46.0	NO DATA
October 27, 2009	2	1.7	3.8	273	0.0	31.9	NO DATA
October 28, 2009	5	1.1	2.5	353	-1.5	29.2	NO DATA
October 29, 2009	6	1.9	4.2	216	-2.6	27.3	NO DATA
October 30, 2009	3	2.0	4.6	247	5.0	41.0	NO DATA
October 31, 2009	2	3.5	7.8	207	9.2	48.5	NO DATA



**Figure 1. Wind Rose (percent of time blowing from indicated direction) for Opportunity EBAM Site October 2009.**



**Figure 2. Wind Rose (percent of time blowing from indicated direction) for Warm Springs EBAM Site October 2009.**

**Table 5**  
**Opportunity Site Hourly Average Data**  
**Met One E-BAM**  
**October 2009**

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
10/1/2009 1:00	7	3.0	6.7	277	1.6	34.9	60
10/1/2009 2:00	5	2.6	5.8	264	0.9	33.6	64
10/1/2009 3:00	4	2.1	4.7	260	0.8	33.4	66
10/1/2009 4:00	7	1.6	3.6	251	0.3	32.5	69
10/1/2009 5:00	10	3.9	8.7	238	0.4	32.7	65
10/1/2009 6:00	22	3.3	7.4	249	0.2	32.4	65
10/1/2009 7:00	5	2.4	5.4	239	-0.3	31.5	67
10/1/2009 8:00	9	1.0	2.2	210	0.4	32.7	64
10/1/2009 9:00	11	0.9	2.0	201	2.3	36.1	56
10/1/2009 10:00	17	2.8	6.3	255	3.8	38.8	50
10/1/2009 11:00	12	3.8	8.5	276	4.9	40.8	46
10/1/2009 12:00	15	3.9	8.7	284	6.0	42.8	41
10/1/2009 13:00	6	3.4	7.6	286	5.8	42.4	40
10/1/2009 14:00	16	3.9	8.7	288	5.9	42.6	42
10/1/2009 15:00	4	4.0	8.9	277	6.3	43.3	40
10/1/2009 16:00	13	3.8	8.5	277	6.7	44.1	39
10/1/2009 17:00	15	3.7	8.3	272	6.0	42.8	42
10/1/2009 18:00	8	2.6	5.8	282	5.2	41.4	48
10/1/2009 19:00	2	2.4	5.4	292	4.5	40.1	53
10/1/2009 20:00	8	2.5	5.6	287	4.1	39.4	54
10/1/2009 21:00	7	2.5	5.6	283	3.6	38.5	57
10/1/2009 22:00	3	2.1	4.7	279	3.1	37.6	58
10/1/2009 23:00	5	1.3	2.9	251	2.5	36.5	61
10/2/2009 0:00	11	0.7	1.6	183	1.4	34.5	68
10/2/2009 1:00	-2	0.7	1.6	176	1.4	34.5	71
10/2/2009 2:00	14	1.3	2.9	236	2.0	35.6	67
10/2/2009 3:00	6	2.0	4.5	228	2.8	37.0	60
10/2/2009 4:00	5	1.4	3.1	207	2.1	35.8	63
10/2/2009 5:00	-5	0.9	2.0	185	0.7	33.3	69
10/2/2009 6:00	10	1.1	2.5	187	-0.4	31.3	72
10/2/2009 7:00	12	1.5	3.4	173	-1.2	29.8	74
10/2/2009 8:00	12	1.4	3.1	180	0.2	32.4	69
10/2/2009 9:00	13	2.1	4.7	171	3.2	37.8	59
10/2/2009 10:00	10	1.9	4.3	169	4.8	40.6	51
10/2/2009 11:00	-3	1.6	3.6	154	6.7	44.1	44
10/2/2009 12:00	8	2.2	4.9	191	8.2	46.8	41
10/2/2009 13:00	6	2.3	5.1	191	9.6	49.3	36
10/2/2009 14:00	27	2.7	6.0	184	10.6	51.1	33
10/2/2009 15:00	-4	3.5	7.8	230	10.1	50.2	34
10/2/2009 16:00	0	3.0	6.7	241	9.2	48.6	36
10/2/2009 17:00	3	3.0	6.7	245	8.8	47.8	37
10/2/2009 18:00	3	2.4	5.4	273	8.0	46.4	44
10/2/2009 19:00	5	1.2	2.7	299	6.4	43.5	49
10/2/2009 20:00	5	0.7	1.6	225	4.7	40.5	56
10/2/2009 21:00	11	0.8	1.8	190	2.5	36.5	66
10/2/2009 22:00	-5	0.8	1.8	247	0.7	33.3	72
10/2/2009 23:00	12	0.7	1.6	205	-1.1	30.0	79
10/3/2009 0:00	15	0.7	1.6	231	-2.3	27.9	81
10/3/2009 1:00	2	0.6	1.3	231	-3.5	25.7	83
10/3/2009 2:00	2	0.6	1.3	213	-3.5	25.7	82
10/3/2009 3:00	7	0.7	1.6	199	-3.9	25.0	86
10/3/2009 4:00	6	0.7	1.6	142	-4.0	24.8	85
10/3/2009 5:00	18	0.9	2.0	191	-2.3	27.9	81
10/3/2009 6:00	9	0.5	1.1	243	-2.6	27.3	82
10/3/2009 7:00	23	0.7	1.6	195	-2.5	27.5	83
10/3/2009 8:00	18	0.4	0.9	276	-1.0	30.2	81
10/3/2009 9:00	0	0.4	0.9	30	1.4	34.5	71
10/3/2009 10:00	16	0.8	1.8	57	5.0	41.0	55
10/3/2009 11:00	-2	0.8	1.8	99	7.0	44.6	49
10/3/2009 12:00	-1	1.5	3.4	17	9.1	48.4	42
10/3/2009 13:00	9	2.8	6.3	15	9.8	49.6	43
10/3/2009 14:00	-1	2.9	6.5	30	9.7	49.5	40
10/3/2009 15:00	6	3.5	7.8	72	10.4	50.7	35
10/3/2009 16:00	13	3.6	8.1	74	9.6	49.3	40
10/3/2009 17:00	28	4.2	9.4	37	8.0	46.4	51
10/3/2009 18:00	45	6.3	14.1	8	5.7	42.3	63
10/3/2009 19:00	10	5.6	12.5	359	4.9	40.8	65
10/3/2009 20:00	15	5.8	13.0	357	4.6	40.3	65
10/3/2009 21:00	31	6.4	14.3	2	3.9	39.0	67
10/3/2009 22:00	26	6.8	15.2	5	3.3	37.9	67
10/3/2009 23:00	13	6.9	15.4	4	2.7	36.9	69
10/4/2009 0:00	18	6.4	14.3	6	2.1	35.8	71
10/4/2009 1:00	37	6.3	14.1	6	1.9	35.4	73
10/4/2009 2:00	7	5.9	13.2	10	1.8	35.2	75
10/4/2009 3:00	20	5.4	12.1	10	1.7	35.1	74
10/4/2009 4:00	25	5.5	12.3	8	1.7	35.1	73

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
10/4/2009 5:00	7	5.2	11.6	9	1.6	34.9	72
10/4/2009 6:00	10	4.5	10.1	17	1.7	35.1	70
10/4/2009 7:00	10	4.0	8.9	17	1.8	35.2	68
10/4/2009 8:00	2	3.9	8.7	15	1.8	35.2	66
10/4/2009 9:00	-1	3.8	8.5	23	1.9	35.4	66
10/4/2009 10:00	11	4.5	10.1	15	1.5	34.7	72
10/4/2009 11:00	8	5.0	11.2	4	1.8	35.2	69
10/4/2009 12:00	103	6.4	14.3	6	1.5	34.7	68
10/4/2009 13:00	56	6.3	14.1	6	1.4	34.5	66
10/4/2009 14:00	29	6.2	13.9	4	1.5	34.7	65
10/4/2009 15:00	28	5.8	13.0	4	1.6	34.9	66
10/4/2009 16:00	42	5.7	12.8	11	1.6	34.9	67
10/4/2009 17:00	35	5.1	11.4	7	1.4	34.5	68
10/4/2009 18:00	55	5.2	11.6	3	1.2	34.2	70
10/4/2009 19:00	12	5.5	12.3	4	1.1	34.0	69
10/4/2009 20:00	39	5.8	13.0	9	0.6	33.1	70
10/4/2009 21:00	2	5.7	12.8	6	0.3	32.5	71
10/4/2009 22:00	10	4.9	11.0	359	0.1	32.2	73
10/4/2009 23:00	6	4.5	10.1	9	0.1	32.2	75
10/5/2009 0:00	11	4.4	9.8	14	0.0	32.0	78
10/5/2009 1:00	8	4.5	10.1	9	-0.2	31.6	81
10/5/2009 2:00	3	4.2	9.4	12	0.0	32.0	78
10/5/2009 3:00	3	4.6	10.3	8	0.1	32.2	76
10/5/2009 4:00	-2	4.8	10.7	4	-0.1	31.8	76
10/5/2009 5:00	0	4.2	9.4	1	-0.3	31.5	77
10/5/2009 6:00	-4	3.8	8.5	2	-0.5	31.1	77
10/5/2009 7:00	4	4.5	10.1	2	-0.4	31.3	76
10/5/2009 8:00	8	4.9	11.0	1	-0.4	31.3	75
10/5/2009 9:00	10	4.7	10.5	3	-0.2	31.6	75
10/5/2009 10:00	13	5.1	11.4	7	0.5	32.9	71
10/5/2009 11:00	28	5.6	12.5	9	1.3	34.3	67
10/5/2009 12:00	19	5.2	11.6	9	2.1	35.8	62
10/5/2009 13:00	5	5.3	11.9	7	3.1	37.6	57
10/5/2009 14:00	9	4.6	10.3	3	3.7	38.7	55
10/5/2009 15:00	22	5.2	11.6	14	4.4	39.9	52
10/5/2009 16:00	17	5.4	12.1	15	4.1	39.4	52
10/5/2009 17:00	2	4.3	9.6	17	2.8	37.0	57
10/5/2009 18:00	20	3.2	7.2	2	2.1	35.8	59
10/5/2009 19:00	6	0.9	2.0	285	0.1	32.2	69
10/5/2009 20:00	12	1.0	2.2	212	-1.9	28.6	77
10/5/2009 21:00	11	1.0	2.2	173	-3.1	26.4	80
10/5/2009 22:00	5	0.9	2.0	167	-3.3	26.1	81
10/5/2009 23:00	-3	1.0	2.2	206	-3.5	25.7	79
10/6/2009 0:00	2	1.0	2.2	203	-3.6	25.5	76
10/6/2009 1:00	0	1.0	2.2	212	-4.2	24.4	78
10/6/2009 2:00	1	1.2	2.7	191	-4.1	24.6	77
10/6/2009 3:00	5	1.0	2.2	185	-4.2	24.4	78
10/6/2009 4:00	10	1.5	3.4	166	-3.9	25.0	76
10/6/2009 5:00	-1	1.7	3.8	170	-3.7	25.3	74
10/6/2009 6:00	3	2.1	4.7	161	-3.3	26.1	71
10/6/2009 7:00	9	2.1	4.7	165	-3.9	25.0	73
10/6/2009 8:00	8	1.9	4.3	165	-2.5	27.5	69
10/6/2009 9:00	10	2.3	5.1	208	1.6	34.9	56
10/6/2009 10:00	0	2.3	5.1	214	3.4	38.1	50
10/6/2009 11:00	16	2.6	5.8	215	6.3	43.3	42
10/6/2009 12:00	10	3.6	8.1	240	7.6	45.7	41
10/6/2009 13:00	9	4.1	9.2	247	10.0	50.0	35
10/6/2009 14:00	18	3.9	8.7	267	11.4	52.5	32
10/6/2009 15:00	42	4.0	8.9	284	12.3	54.1	32
10/6/2009 16:00	24	5.5	12.3	264	11.9	53.4	32
10/6/2009 17:00	7	3.9	8.7	274	11.4	52.5	36
10/6/2009 18:00	3	3.3	7.4	278	10.2	50.4	39
10/6/2009 19:00	8	2.7	6.0	276	8.6	47.5	45
10/6/2009 20:00	7	2.1	4.7	269	7.6	45.7	49
10/6/2009 21:00	1	2.2	4.9	272	7.0	44.6	52
10/6/2009 22:00	-1	2.7	6.0	279	7.8	46.0	47
10/6/2009 23:00	7	2.4	5.4	295	7.9	46.2	44
10/7/2009 0:00	5	1.3	2.9	295	5.8	42.4	54
10/7/2009 1:00	9	0.9	2.0	262	5.0	41.0	56
10/7/2009 2:00	7	0.8	1.8	236	3.9	39.0	61
10/7/2009 3:00	10	0.7	1.6	176	3.0	37.4	66
10/7/2009 4:00	6	1.2	2.7	203	4.1	39.4	59
10/7/2009 5:00	5	1.4	3.1	329	3.4	38.1	63
10/7/2009 6:00	-4	2.9	6.5	10	2.9	37.2	68
10/7/2009 7:00	10	2.5	5.6	3	1.5	34.7	72
10/7/2009 8:00	7	3.1	6.9	346	0.9	33.6	69
10/7/2009 9:00	18	3.5	7.8	343	0.3	32.5	71
10/7/2009 10:00	AM	3.8	8.5	347	-0.7	30.7	83
10/7/2009 11:00	AM	4.5	10.1	351	-1.3	29.7	87
10/7/2009 12:00	AM	4.6	10.3	351	-1.4	29.5	86
10/7/2009 13:00	AM	3.8	8.5	346	-1.1	30.0	86

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
10/7/2009 14:00	AM	3.5	7.8	342	-0.7	30.7	85
10/7/2009 15:00	AM	3.9	8.7	353	-0.5	31.1	82
10/7/2009 16:00	AM	2.8	6.3	345	-1.2	29.8	86
10/7/2009 17:00	-2	1.1	2.5	24	-0.3	31.5	83
10/7/2009 18:00	3	1.6	3.6	10	-0.3	31.5	77
10/7/2009 19:00	7	2.5	5.6	346	-1.0	30.2	73
10/7/2009 20:00	4	2.4	5.4	2	-1.6	29.1	73
10/7/2009 21:00	7	2.1	4.7	4	-2.0	28.4	73
10/7/2009 22:00	-5	1.8	4.0	6	-2.2	28.0	73
10/7/2009 23:00	6	1.5	3.4	27	-2.3	27.9	73
10/8/2009 0:00	7	1.0	2.2	20	-2.5	27.5	73
10/8/2009 1:00	-1	0.5	1.1	277	-3.1	26.4	75
10/8/2009 2:00	-3	0.8	1.8	1	-3.3	26.1	73
10/8/2009 3:00	-4	0.7	1.6	297	-4.7	23.5	77
10/8/2009 4:00	-2	0.7	1.6	243	-6.4	20.5	82
10/8/2009 5:00	12	0.7	1.6	228	-7.6	18.3	83
10/8/2009 6:00	12	0.8	1.8	171	-9.1	15.6	85
10/8/2009 7:00	1	1.0	2.2	212	-9.4	15.1	83
10/8/2009 8:00	25	0.7	1.6	172	-7.9	17.8	80
10/8/2009 9:00	1	1.2	2.7	202	-4.7	23.5	71
10/8/2009 10:00	-1	2.0	4.5	169	-0.6	30.9	65
10/8/2009 11:00	8	2.7	6.0	148	1.9	35.4	58
10/8/2009 12:00	-4	2.2	4.9	151	2.5	36.5	56
10/8/2009 13:00	1	1.8	4.0	127	3.5	38.3	52
10/8/2009 14:00	5	3.0	6.7	222	5.7	42.3	43
10/8/2009 15:00	12	4.8	10.7	270	5.4	41.7	39
10/8/2009 16:00	8	3.9	8.7	273	5.3	41.5	40
10/8/2009 17:00	3	3.8	8.5	276	5.0	41.0	41
10/8/2009 18:00	7	2.8	6.3	278	4.2	39.6	42
10/8/2009 19:00	2	2.4	5.4	286	3.5	38.3	44
10/8/2009 20:00	9	1.6	3.6	318	2.0	35.6	54
10/8/2009 21:00	1	3.1	6.9	22	0.7	33.3	70
10/8/2009 22:00	AM	3.8	8.5	20	-0.9	30.4	87
10/8/2009 23:00	AM	4.5	10.1	351	-3.7	25.3	87
10/9/2009 0:00	AM	4.8	10.7	351	-5.9	21.4	85
10/9/2009 1:00	AM	4.7	10.5	344	-7.7	18.1	84
10/9/2009 2:00	AM	4.8	10.7	351	-8.2	17.2	84
10/9/2009 3:00	AM	4.2	9.4	345	-8.7	16.3	83
10/9/2009 4:00	AM	4.6	10.3	349	-9.4	15.1	82
10/9/2009 5:00	AM	4.6	10.3	350	-9.8	14.4	82
10/9/2009 6:00	AM	4.6	10.3	354	-10.6	12.9	80
10/9/2009 7:00	AM	4.2	9.4	358	-11.1	12.0	79
10/9/2009 8:00	AM	3.7	8.3	6	-11.2	11.8	76
10/9/2009 9:00	AM	3.7	8.3	4	-11.2	11.8	66
10/9/2009 10:00	AM	4.3	9.6	357	-9.9	14.2	61
10/9/2009 11:00	AM	3.4	7.6	357	-9.3	15.3	62
10/9/2009 12:00	AM	3.3	7.4	354	-8.6	16.5	57
10/9/2009 13:00	-5	2.1	4.7	355	-7.9	17.8	52
10/9/2009 14:00	4	2.1	4.7	359	-7.1	19.2	53
10/9/2009 15:00	4	0.9	2.0	6	-6.5	20.3	50
10/9/2009 16:00	-1	1.2	2.7	358	-6.9	19.6	56
10/9/2009 17:00	10	1.5	3.4	5	-7.4	18.7	61
10/9/2009 18:00	5	2.1	4.7	359	-7.9	17.8	62
10/9/2009 19:00	-5	2.8	6.3	3	-8.8	16.2	64
10/9/2009 20:00	-1	2.4	5.4	9	-9.7	14.5	67
10/9/2009 21:00	12	1.9	4.3	3	-10.4	13.3	68
10/9/2009 22:00	7	1.0	2.2	342	-11.6	11.1	71
10/9/2009 23:00	-1	0.6	1.3	281	-13.0	8.6	76
10/10/2009 0:00	2	0.7	1.6	292	-12.4	9.7	73
10/10/2009 1:00	5	0.6	1.3	273	-12.1	10.2	72
10/10/2009 2:00	-5	0.5	1.1	224	-11.8	10.8	71
10/10/2009 3:00	13	0.5	1.1	130	-11.8	10.8	71
10/10/2009 4:00	3	0.5	1.1	165	-11.7	10.9	72
10/10/2009 5:00	1	0.4	0.9	227	-11.7	10.9	73
10/10/2009 6:00	2	0.6	1.3	187	-11.7	10.9	73
10/10/2009 7:00	5	0.5	1.1	247	-11.9	10.6	75
10/10/2009 8:00	15	0.5	1.1	309	-11.6	11.1	75
10/10/2009 9:00	0	0.5	1.1	9	-10.3	13.5	70
10/10/2009 10:00	6	1.1	2.5	11	-9.9	14.2	69
10/10/2009 11:00	-1	1.4	3.1	18	-8.9	16.0	65
10/10/2009 12:00	1	1.5	3.4	4	-7.7	18.1	59
10/10/2009 13:00	6	1.8	4.0	2	-7.0	19.4	59
10/10/2009 14:00	1	1.5	3.4	357	-5.4	22.3	53
10/10/2009 15:00	4	1.8	4.0	22	-4.9	23.2	53
10/10/2009 16:00	3	1.9	4.3	11	-5.2	22.6	54
10/10/2009 17:00	-1	2.2	4.9	10	-5.6	21.9	55
10/10/2009 18:00	4	2.2	4.9	348	-7.1	19.2	60
10/10/2009 19:00	2	1.5	3.4	355	-7.8	18.0	65
10/10/2009 20:00	5	1.7	3.8	30	-7.8	18.0	63
10/10/2009 21:00	1	1.9	4.3	9	-8.9	16.0	65
10/10/2009 22:00	-3	1.6	3.6	1	-10.3	13.5	69

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
10/10/2009 23:00	8	1.5	3.4	354	-11.2	11.8	70
10/11/2009 0:00	10	1.8	4.0	1	-11.3	11.7	69
10/11/2009 1:00	1	1.5	3.4	9	-11.4	11.5	70
10/11/2009 2:00	6	0.6	1.3	330	-11.4	11.5	70
10/11/2009 3:00	0	0.6	1.3	33	-11.3	11.7	71
10/11/2009 4:00	10	1.1	2.5	1	-11.3	11.7	71
10/11/2009 5:00	-5	1.0	2.2	353	-11.3	11.7	71
10/11/2009 6:00	-1	1.2	2.7	5	-11.4	11.5	73
10/11/2009 7:00	14	1.1	2.5	5	-11.5	11.3	75
10/11/2009 8:00	2	1.2	2.7	357	-11.4	11.5	74
10/11/2009 9:00	5	1.3	2.9	8	-10.9	12.4	70
10/11/2009 10:00	1	1.6	3.6	25	-10.1	13.8	67
10/11/2009 11:00	3	1.7	3.8	22	-9.1	15.6	63
10/11/2009 12:00	2	1.6	3.6	21	-8.1	17.4	59
10/11/2009 13:00	11	1.7	3.8	25	-7.2	19.0	56
10/11/2009 14:00	-3	1.5	3.4	350	-6.0	21.2	51
10/11/2009 15:00	6	1.4	3.1	278	-4.9	23.2	47
10/11/2009 16:00	4	1.1	2.5	323	-5.0	23.0	48
10/11/2009 17:00	5	0.9	2.0	285	-4.2	24.4	45
10/11/2009 18:00	-2	1.9	4.3	25	-5.9	21.4	56
10/11/2009 19:00	14	2.4	5.4	27	-7.0	19.4	61
10/11/2009 20:00	-5	0.9	2.0	345	-9.4	15.1	71
10/11/2009 21:00	27	0.6	1.3	122	-11.3	11.7	78
10/11/2009 22:00	7	0.8	1.8	206	-12.8	9.0	79
10/11/2009 23:00	21	1.2	2.7	225	-13.0	8.6	77
10/12/2009 0:00	11	0.6	1.3	142	-15.5	4.1	79
10/12/2009 1:00	14	0.6	1.3	259	-16.9	1.6	80
10/12/2009 2:00	7	0.7	1.6	245	-16.2	2.8	79
10/12/2009 3:00	-5	0.9	2.0	233	-15.3	4.5	78
10/12/2009 4:00	-2	1.2	2.7	245	-14.2	6.4	75
10/12/2009 5:00	16	1.4	3.1	238	-13.0	8.6	73
10/12/2009 6:00	4	1.3	2.9	224	-12.4	9.7	72
10/12/2009 7:00	-1	1.4	3.1	237	-12.5	9.5	72
10/12/2009 8:00	19	1.2	2.7	229	-11.6	11.1	68
10/12/2009 9:00	4	1.3	2.9	220	-9.5	14.9	61
10/12/2009 10:00	7	1.8	4.0	188	-6.0	21.2	56
10/12/2009 11:00	10	3.1	6.9	147	-3.8	25.2	53
10/12/2009 12:00	7	3.1	6.9	148	-1.9	28.6	52
10/12/2009 13:00	9	3.3	7.4	144	-0.1	31.8	49
10/12/2009 14:00	5	3.2	7.2	136	1.6	34.9	50
10/12/2009 15:00	3	3.0	6.7	134	2.1	35.8	50
10/12/2009 16:00	11	1.7	3.8	52	2.7	36.9	49
10/12/2009 17:00	17	2.4	5.4	24	1.3	34.3	52
10/12/2009 18:00	3	2.0	4.5	14	0.0	32.0	56
10/12/2009 19:00	18	1.2	2.7	251	-1.2	29.8	60
10/12/2009 20:00	20	0.6	1.3	223	-2.4	27.7	67
10/12/2009 21:00	15	0.4	0.9	137	-3.4	25.9	74
10/12/2009 22:00	4	0.7	1.6	245	-3.9	25.0	76
10/12/2009 23:00	23	0.6	1.3	219	-5.6	21.9	82
10/13/2009 0:00	9	1.0	2.2	217	-4.7	23.5	77
10/13/2009 1:00	13	1.2	2.7	202	-3.0	26.6	69
10/13/2009 2:00	0	1.8	4.0	187	-2.2	28.0	66
10/13/2009 3:00	10	1.8	4.0	203	-2.2	28.0	65
10/13/2009 4:00	-5	1.8	4.0	174	-1.8	28.8	67
10/13/2009 5:00	12	1.7	3.8	134	-2.0	28.4	69
10/13/2009 6:00	13	2.0	4.5	152	-1.7	28.9	68
10/13/2009 7:00	18	2.6	5.8	164	-1.3	29.7	65
10/13/2009 8:00	10	2.5	5.6	172	-1.0	30.2	63
10/13/2009 9:00	7	2.4	5.4	167	-0.3	31.5	60
10/13/2009 10:00	16	2.6	5.8	171	1.4	34.5	54
10/13/2009 11:00	11	3.1	6.9	161	3.9	39.0	52
10/13/2009 12:00	10	3.4	7.6	151	6.3	43.3	51
10/13/2009 13:00	17	3.8	8.5	141	8.4	47.1	49
10/13/2009 14:00	19	4.9	11.0	129	10.1	50.2	49
10/13/2009 15:00	6	4.7	10.5	129	11.1	52.0	49
10/13/2009 16:00	14	4.0	8.9	137	11.7	53.1	49
10/13/2009 17:00	24	2.7	6.0	148	10.9	51.6	51
10/13/2009 18:00	23	3.2	7.2	153	9.2	48.6	53
10/13/2009 19:00	15	3.4	7.6	148	8.1	46.6	55
10/13/2009 20:00	30	4.0	8.9	141	7.6	45.7	55
10/13/2009 21:00	5	4.4	9.8	131	7.5	45.5	56
10/13/2009 22:00	17	3.4	7.6	142	7.1	44.8	56
10/13/2009 23:00	26	2.0	4.5	171	5.8	42.4	60
10/14/2009 0:00	14	1.6	3.6	183	5.2	41.4	63
10/14/2009 1:00	14	1.6	3.6	246	5.1	41.2	64
10/14/2009 2:00	18	2.7	6.0	167	6.8	44.2	58
10/14/2009 3:00	12	3.4	7.6	140	7.3	45.1	59
10/14/2009 4:00	15	3.1	6.9	162	7.5	45.5	63
10/14/2009 5:00	18	2.2	4.9	155	7.0	44.6	69
10/14/2009 6:00	8	1.6	3.6	146	6.4	43.5	71

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
10/14/2009 7:00	-1	1.4	3.1	161	6.9	44.4	70
10/14/2009 8:00	2	2.0	4.5	177	7.5	45.5	67
10/14/2009 9:00	-4	1.8	4.0	189	7.7	45.9	70
10/14/2009 10:00	3	2.0	4.5	188	10.1	50.2	57
10/14/2009 11:00	5	3.7	8.3	225	11.5	52.7	53
10/14/2009 12:00	16	4.9	11.0	229	11.9	53.4	51
10/14/2009 13:00	10	4.7	10.5	232	13.3	55.9	44
10/14/2009 14:00	1	4.7	10.5	240	13.7	56.7	45
10/14/2009 15:00	24	4.0	8.9	240	13.7	56.7	44
10/14/2009 16:00	-5	5.2	11.6	242	12.1	53.8	51
10/14/2009 17:00	4	4.3	9.6	243	11.9	53.4	52
10/14/2009 18:00	6	2.2	4.9	261	8.9	48.0	67
10/14/2009 19:00	3	1.6	3.6	332	7.6	45.7	68
10/14/2009 20:00	-5	1.7	3.8	210	7.7	45.9	68
10/14/2009 21:00	0	1.5	3.4	229	5.9	42.6	74
10/14/2009 22:00	2	1.5	3.4	193	5.2	41.4	75
10/14/2009 23:00	0	1.3	2.9	166	5.5	41.9	73
10/15/2009 0:00	-5	0.9	2.0	188	4.8	40.6	76
10/15/2009 1:00	18	1.2	2.7	164	4.1	39.4	76
10/15/2009 2:00	-4	1.0	2.2	167	4.1	39.4	77
10/15/2009 3:00	-2	1.0	2.2	176	5.2	41.4	74
10/15/2009 4:00	3	1.1	2.5	178	5.5	41.9	73
10/15/2009 5:00	2	1.2	2.7	157	5.1	41.2	74
10/15/2009 6:00	-5	1.2	2.7	197	5.1	41.2	74
10/15/2009 7:00	11	1.0	2.2	198	5.1	41.2	72
10/15/2009 8:00	8	0.9	2.0	301	4.3	39.7	75
10/15/2009 9:00	-5	1.1	2.5	201	6.4	43.5	66
10/15/2009 10:00	7	1.1	2.5	203	8.6	47.5	56
10/15/2009 11:00	4	1.5	3.4	268	9.1	48.4	54
10/15/2009 12:00	5	2.5	5.6	24	9.2	48.6	58
10/15/2009 13:00	36	1.6	3.6	183	10.6	51.1	49
10/15/2009 14:00	16	3.2	7.2	288	10.5	50.9	50
10/15/2009 15:00	30	3.4	7.6	306	11.0	51.8	46
10/15/2009 16:00	21	4.9	11.0	15	9.1	48.4	62
10/15/2009 17:00	2	5.1	11.4	15	7.1	44.8	70
10/15/2009 18:00	7	3.1	6.9	3	6.3	43.3	71
10/15/2009 19:00	1	1.7	3.8	257	4.4	39.9	77
10/15/2009 20:00	10	1.2	2.7	194	2.9	37.2	82
10/15/2009 21:00	11	0.8	1.8	209	0.7	33.3	86
10/15/2009 22:00	13	0.9	2.0	188	-1.1	30.0	88
10/15/2009 23:00	10	0.7	1.6	219	-0.9	30.4	88
10/16/2009 0:00	5	0.7	1.6	252	-1.2	29.8	88
10/16/2009 1:00	5	0.9	2.0	239	-1.5	29.3	88
10/16/2009 2:00	1	0.8	1.8	228	-2.2	28.0	89
10/16/2009 3:00	10	0.8	1.8	244	-2.1	28.2	88
10/16/2009 4:00	1	0.9	2.0	238	-0.8	30.6	87
10/16/2009 5:00	2	0.7	1.6	275	-0.9	30.4	87
10/16/2009 6:00	-1	0.9	2.0	239	-1.3	29.7	88
10/16/2009 7:00	13	0.8	1.8	219	-1.4	29.5	88
10/16/2009 8:00	-3	1.1	2.5	200	-0.1	31.8	85
10/16/2009 9:00	20	1.6	3.6	166	3.6	38.5	75
10/16/2009 10:00	-3	2.5	5.6	153	8.5	47.3	60
10/16/2009 11:00	5	2.8	6.3	155	12.1	53.8	50
10/16/2009 12:00	12	2.0	4.5	170	14.3	57.7	44
10/16/2009 13:00	BA	1.8	4.0	207	15.1	59.2	41
10/16/2009 14:00	4	1.8	4.0	177	16.2	61.2	39
10/16/2009 15:00	5	2.1	4.7	152	16.3	61.3	40
10/16/2009 16:00	3	1.3	2.9	100	18.0	64.4	36
10/16/2009 17:00	17	1.8	4.0	294	15.7	60.3	44
10/16/2009 18:00	29	1.6	3.6	11	12.2	54.0	56
10/16/2009 19:00	11	1.1	2.5	242	9.0	48.2	66
10/16/2009 20:00	20	0.9	2.0	196	5.4	41.7	77
10/16/2009 21:00	11	1.0	2.2	225	5.4	41.7	77
10/16/2009 22:00	9	1.4	3.1	230	5.9	42.6	74
10/16/2009 23:00	9	1.7	3.8	208	7.5	45.5	69
10/17/2009 0:00	2	1.6	3.6	201	6.8	44.2	70
10/17/2009 1:00	13	1.8	4.0	192	6.5	43.7	71
10/17/2009 2:00	15	2.3	5.1	187	6.2	43.2	71
10/17/2009 3:00	6	2.2	4.9	188	6.0	42.8	71
10/17/2009 4:00	0	2.7	6.0	177	6.1	43.0	70
10/17/2009 5:00	3	3.1	6.9	162	6.4	43.5	69
10/17/2009 6:00	7	2.1	4.7	192	6.5	43.7	69
10/17/2009 7:00	4	3.0	6.7	165	6.4	43.5	68
10/17/2009 8:00	1	3.1	6.9	163	7.6	45.7	64
10/17/2009 9:00	5	3.1	6.9	158	9.8	49.6	57
10/17/2009 10:00	18	3.5	7.8	147	14.1	57.4	44
10/17/2009 11:00	10	2.2	4.9	174	16.5	61.7	35
10/17/2009 12:00	0	2.3	5.1	181	17.5	63.5	32
10/17/2009 13:00	6	2.5	5.6	192	19.7	67.5	25
10/17/2009 14:00	5	2.4	5.4	204	20.8	69.4	23
10/17/2009 15:00	10	2.4	5.4	204	22.0	71.6	20

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
10/17/2009 16:00	12	2.6	5.8	223	22.0	71.6	20
10/17/2009 17:00	3	3.2	7.2	242	19.4	66.9	25
10/17/2009 18:00	14	1.3	2.9	188	16.9	62.4	32
10/17/2009 19:00	13	1.2	2.7	192	13.7	56.7	43
10/17/2009 20:00	3	1.6	3.6	165	12.4	54.3	47
10/17/2009 21:00	9	1.7	3.8	207	12.8	55.0	45
10/17/2009 22:00	2	3.2	7.2	152	13.6	56.5	41
10/17/2009 23:00	6	2.7	6.0	151	12.7	54.9	43
10/18/2009 0:00	-5	2.3	5.1	160	11.8	53.2	45
10/18/2009 1:00	7	1.6	3.6	158	9.8	49.6	50
10/18/2009 2:00	1	1.1	2.5	186	6.4	43.5	62
10/18/2009 3:00	-1	1.2	2.7	217	8.3	46.9	56
10/18/2009 4:00	4	1.6	3.6	187	10.0	50.0	51
10/18/2009 5:00	10	1.5	3.4	177	9.4	48.9	55
10/18/2009 6:00	1	2.7	6.0	350	8.5	47.3	69
10/18/2009 7:00	16	1.6	3.6	280	7.5	45.5	76
10/18/2009 8:00	21	1.6	3.6	286	7.8	46.0	76
10/18/2009 9:00	9	2.1	4.7	342	9.2	48.6	70
10/18/2009 10:00	6	2.0	4.5	1	10.5	50.9	62
10/18/2009 11:00	5	1.9	4.3	22	11.1	52.0	60
10/18/2009 12:00	15	2.4	5.4	17	12.4	54.3	55
10/18/2009 13:00	10	2.5	5.6	28	13.0	55.4	53
10/18/2009 14:00	3	2.4	5.4	4	13.1	55.6	53
10/18/2009 15:00	10	3.2	7.2	4	13.0	55.4	53
10/18/2009 16:00	7	3.1	6.9	5	13.2	55.8	52
10/18/2009 17:00	5	2.0	4.5	343	12.3	54.1	54
10/18/2009 18:00	1	1.4	3.1	333	11.0	51.8	57
10/18/2009 19:00	5	1.1	2.5	252	8.9	48.0	63
10/18/2009 20:00	7	1.4	3.1	244	8.1	46.6	65
10/18/2009 21:00	-1	1.0	2.2	247	7.0	44.6	69
10/18/2009 22:00	4	0.6	1.3	221	4.2	39.6	79
10/18/2009 23:00	24	0.6	1.3	246	2.9	37.2	84
10/19/2009 0:00	-4	0.7	1.6	236	1.8	35.2	86
10/19/2009 1:00	18	0.6	1.3	206	1.6	34.9	85
10/19/2009 2:00	3	0.8	1.8	167	1.4	34.5	85
10/19/2009 3:00	2	0.7	1.6	231	2.3	36.1	84
10/19/2009 4:00	13	0.6	1.3	195	3.1	37.6	82
10/19/2009 5:00	10	1.1	2.5	183	3.8	38.8	81
10/19/2009 6:00	10	0.8	1.8	205	4.5	40.1	83
10/19/2009 7:00	-4	0.6	1.3	211	4.5	40.1	83
10/19/2009 8:00	11	0.8	1.8	84	4.5	40.1	86
10/19/2009 9:00	13	0.7	1.6	29	4.4	39.9	88
10/19/2009 10:00	15	0.3	0.7	83	4.6	40.3	89
10/19/2009 11:00	-1	0.7	1.6	355	4.9	40.8	89
10/19/2009 12:00	2	1.5	3.4	5	4.9	40.8	89
10/19/2009 13:00	4	1.9	4.3	347	5.0	41.0	88
10/19/2009 14:00	-5	2.8	6.3	6	4.3	39.7	87
10/19/2009 15:00	-2	2.2	4.9	18	3.7	38.7	86
10/19/2009 16:00	4	1.4	3.1	43	3.7	38.7	87
10/19/2009 17:00	2	0.7	1.6	54	3.4	38.1	87
10/19/2009 18:00	1	0.6	1.3	214	3.2	37.8	89
10/19/2009 19:00	-2	0.8	1.8	228	2.7	36.9	89
10/19/2009 20:00	4	0.7	1.6	197	2.5	36.5	90
10/19/2009 21:00	-4	0.4	0.9	200	2.5	36.5	90
10/19/2009 22:00	6	0.5	1.1	185	2.6	36.7	91
10/19/2009 23:00	9	0.4	0.9	250	2.6	36.7	91
10/20/2009 0:00	-4	0.6	1.3	268	2.7	36.9	90
10/20/2009 1:00	-5	0.4	0.9	283	2.8	37.0	89
10/20/2009 2:00	4	0.4	0.9	24	2.9	37.2	89
10/20/2009 3:00	-3	0.5	1.1	18	2.9	37.2	89
10/20/2009 4:00	12	0.8	1.8	22	3.0	37.4	89
10/20/2009 5:00	-5	0.5	1.1	290	2.5	36.5	90
10/20/2009 6:00	-5	0.5	1.1	267	2.3	36.1	91
10/20/2009 7:00	3	0.4	0.9	195	2.2	36.0	91
10/20/2009 8:00	13	0.3	0.7	229	2.2	36.0	91
10/20/2009 9:00	2	0.8	1.8	150	3.1	37.6	89
10/20/2009 10:00	8	0.8	1.8	133	4.0	39.2	84
10/20/2009 11:00	7	0.9	2.0	58	5.3	41.5	77
10/20/2009 12:00	1	0.9	2.0	34	6.3	43.3	73
10/20/2009 13:00	2	1.8	4.0	40	6.9	44.4	70
10/20/2009 14:00	-1	1.5	3.4	358	7.2	45.0	66
10/20/2009 15:00	5	1.7	3.8	27	7.2	45.0	67
10/20/2009 16:00	-5	1.8	4.0	350	6.4	43.5	69
10/20/2009 17:00	6	0.8	1.8	185	4.9	40.8	80
10/20/2009 18:00	4	0.8	1.8	146	4.3	39.7	82
10/20/2009 19:00	6	0.7	1.6	225	3.0	37.4	87
10/20/2009 20:00	1	1.0	2.2	281	1.1	34.0	90
10/20/2009 21:00	4	1.0	2.2	283	0.9	33.6	90
10/20/2009 22:00	7	1.2	2.7	190	1.0	33.8	89
10/20/2009 23:00	6	1.0	2.2	177	0.9	33.6	90
10/21/2009 0:00	8	0.6	1.3	215	0.3	32.5	91

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
10/21/2009 1:00	-1	0.9	2.0	236	0.0	32.0	91
10/21/2009 2:00	-1	1.0	2.2	226	0.0	32.0	91
10/21/2009 3:00	7	AO	AO	AO	0.1	32.2	90
10/21/2009 4:00	6	AO	AO	AO	0.3	32.5	90
10/21/2009 5:00	0	AO	AO	AO	0.2	32.4	89
10/21/2009 6:00	-1	AO	AO	AO	0.0	32.0	89
10/21/2009 7:00	5	AO	AO	AO	-0.5	31.1	88
10/21/2009 8:00	5	AO	AO	AO	0.2	32.4	85
10/21/2009 9:00	12	1.9	4.3	177	2.0	35.6	78
10/21/2009 10:00	5	2.3	5.1	164	4.1	39.4	74
10/21/2009 11:00	5	2.4	5.4	162	5.6	42.1	68
10/21/2009 12:00	12	2.4	5.4	163	8.0	46.4	58
10/21/2009 13:00	3	2.2	4.9	197	8.6	47.5	53
10/21/2009 14:00	6	2.0	4.5	193	8.7	47.7	50
10/21/2009 15:00	7	1.9	4.3	198	9.0	48.2	51
10/21/2009 16:00	12	2.2	4.9	210	9.1	48.4	50
10/21/2009 17:00	3	4.5	10.1	240	8.4	47.1	54
10/21/2009 18:00	3	5.0	11.2	242	7.2	45.0	61
10/21/2009 19:00	6	3.9	8.7	252	6.5	43.7	64
10/21/2009 20:00	1	3.7	8.3	242	6.4	43.5	64
10/21/2009 21:00	20	3.9	8.7	240	6.1	43.0	67
10/21/2009 22:00	-5	3.2	7.2	235	6.0	42.8	68
10/21/2009 23:00	9	3.1	6.9	235	6.3	43.3	67
10/22/2009 0:00	8	2.8	6.3	232	6.3	43.3	67
10/22/2009 1:00	3	2.0	4.5	218	6.1	43.0	67
10/22/2009 2:00	0	1.3	2.9	181	5.8	42.4	69
10/22/2009 3:00	10	1.6	3.6	181	6.0	42.8	68
10/22/2009 4:00	1	1.0	2.2	173	5.8	42.4	70
10/22/2009 5:00	0	1.3	2.9	200	5.7	42.3	71
10/22/2009 6:00	-5	1.4	3.1	209	5.6	42.1	71
10/22/2009 7:00	10	2.2	4.9	297	5.3	41.5	72
10/22/2009 8:00	-4	1.1	2.5	329	3.6	38.5	81
10/22/2009 9:00	4	1.6	3.6	32	4.6	40.3	80
10/22/2009 10:00	14	2.0	4.5	58	5.7	42.3	74
10/22/2009 11:00	6	3.5	7.8	260	8.4	47.1	55
10/22/2009 12:00	11	4.1	9.2	282	9.3	48.7	48
10/22/2009 13:00	1	3.0	6.7	312	10.0	50.0	47
10/22/2009 14:00	0	3.6	8.1	271	10.3	50.5	43
10/22/2009 15:00	9	3.3	7.4	293	11.1	52.0	37
10/22/2009 16:00	5	3.1	6.9	289	10.3	50.5	39
10/22/2009 17:00	1	3.0	6.7	292	9.0	48.2	46
10/22/2009 18:00	1	2.7	6.0	284	7.0	44.6	52
10/22/2009 19:00	6	2.1	4.7	289	6.2	43.2	54
10/22/2009 20:00	4	1.2	2.7	308	4.0	39.2	64
10/22/2009 21:00	5	0.8	1.8	271	2.8	37.0	70
10/22/2009 22:00	6	0.8	1.8	175	-0.4	31.3	77
10/22/2009 23:00	20	1.3	2.9	166	-0.9	30.4	80
10/23/2009 0:00	-5	1.0	2.2	189	-0.5	31.1	79
10/23/2009 1:00	7	1.1	2.5	195	-0.3	31.5	79
10/23/2009 2:00	6	0.7	1.6	164	-0.3	31.5	78
10/23/2009 3:00	9	0.8	1.8	207	-0.9	30.4	82
10/23/2009 4:00	-2	1.2	2.7	167	-1.4	29.5	81
10/23/2009 5:00	18	1.2	2.7	177	-1.3	29.7	81
10/23/2009 6:00	2	1.5	3.4	163	-0.6	30.9	79
10/23/2009 7:00	3	1.6	3.6	152	0.9	33.6	75
10/23/2009 8:00	7	1.4	3.1	173	1.9	35.4	71
10/23/2009 9:00	8	1.7	3.8	162	1.8	35.2	73
10/23/2009 10:00	-3	1.8	4.0	201	4.3	39.7	63
10/23/2009 11:00	15	4.5	10.1	229	7.5	45.5	53
10/23/2009 12:00	11	6.2	13.9	238	8.4	47.1	50
10/23/2009 13:00	4	4.6	10.3	233	9.2	48.6	47
10/23/2009 14:00	5	3.5	7.8	231	9.9	49.8	47
10/23/2009 15:00	19	4.5	10.1	234	9.9	49.8	49
10/23/2009 16:00	11	2.3	5.1	248	8.7	47.7	61
10/23/2009 17:00	-5	3.0	6.7	252	8.0	46.4	65
10/23/2009 18:00	-5	4.3	9.6	237	7.2	45.0	72
10/23/2009 19:00	9	3.4	7.6	236	7.2	45.0	71
10/23/2009 20:00	-1	5.0	11.2	237	7.3	45.1	70
10/23/2009 21:00	11	3.9	8.7	231	7.0	44.6	71
10/23/2009 22:00	0	2.3	5.1	217	7.1	44.8	71
10/23/2009 23:00	5	3.0	6.7	225	7.4	45.3	70
10/24/2009 0:00	-5	3.1	6.9	235	7.5	45.5	69
10/24/2009 1:00	8	2.5	5.6	268	7.3	45.1	67
10/24/2009 2:00	0	1.5	3.4	264	6.5	43.7	67
10/24/2009 3:00	1	2.0	4.5	204	6.7	44.1	60
10/24/2009 4:00	13	1.2	2.7	200	6.3	43.3	61
10/24/2009 5:00	-5	1.7	3.8	218	5.8	42.4	61
10/24/2009 6:00	-2	1.4	3.1	230	5.3	41.5	58
10/24/2009 7:00	-4	2.8	6.3	293	4.5	40.1	69
10/24/2009 8:00	10	2.5	5.6	283	3.4	38.1	73

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
10/24/2009 9:00	8	4.1	9.2	278	4.4	39.9	58
10/24/2009 10:00	4	3.0	6.7	285	4.7	40.5	54
10/24/2009 11:00	4	3.1	6.9	295	4.9	40.8	51
10/24/2009 12:00	4	4.9	11.0	278	5.8	42.4	47
10/24/2009 13:00	11	4.2	9.4	280	6.0	42.8	44
10/24/2009 14:00	12	4.9	11.0	293	6.6	43.9	38
10/24/2009 15:00	8	6.0	13.4	283	6.5	43.7	31
10/24/2009 16:00	12	6.9	15.4	270	5.7	42.3	35
10/24/2009 17:00	7	4.3	9.6	285	4.9	40.8	37
10/24/2009 18:00	-3	3.8	8.5	279	3.3	37.9	42
10/24/2009 19:00	2	4.2	9.4	AM	2.5	36.5	45
10/24/2009 20:00	6	2.3	5.1	AM	1.8	35.2	50
10/24/2009 21:00	7	1.3	2.9	AM	1.2	34.2	57
10/24/2009 22:00	3	1.1	2.5	AM	0.9	33.6	58
10/24/2009 23:00	6	2.4	5.4	AM	0.9	33.6	58
10/25/2009 0:00	2	2.6	5.8	AM	1.4	34.5	58
10/25/2009 1:00	6	2.0	4.5	AM	0.7	33.3	66
10/25/2009 2:00	-1	0.8	1.8	AM	-1.2	29.8	77
10/25/2009 3:00	-5	2.0	4.5	AM	-1.0	30.2	75
10/25/2009 4:00	24	1.2	2.7	AM	-2.3	27.9	74
10/25/2009 5:00	2	0.8	1.8	AM	-3.1	26.4	75
10/25/2009 6:00	-2	1.1	2.5	AM	-3.6	25.5	76
10/25/2009 7:00	8	0.8	1.8	AM	-3.5	25.7	75
10/25/2009 8:00	0	0.9	2.0	AM	-3.1	26.4	76
10/25/2009 9:00	17	1.1	2.5	AM	-1.0	30.2	70
10/25/2009 10:00	2	1.7	3.8	AM	1.7	35.1	57
10/25/2009 11:00	-3	1.5	3.4	AM	3.3	37.9	44
10/25/2009 12:00	5	1.5	3.4	AM	4.4	39.9	37
10/25/2009 13:00	0	1.4	3.1	AM	5.6	42.1	35
10/25/2009 14:00	14	1.6	3.6	AM	6.6	43.9	33
10/25/2009 15:00	7	1.4	3.1	AM	7.7	45.9	31
10/25/2009 16:00	2	1.1	2.5	AM	7.7	45.9	30
10/25/2009 17:00	5	1.0	2.2	AM	7.4	45.3	30
10/25/2009 18:00	3	0.8	1.8	AM	3.6	38.5	43
10/25/2009 19:00	14	0.9	2.0	AM	0.0	32.0	62
10/25/2009 20:00	8	0.9	2.0	AM	0.5	32.9	60
10/25/2009 21:00	9	1.0	2.2	AM	1.3	34.3	55
10/25/2009 22:00	0	1.3	2.9	AM	2.3	36.1	51
10/25/2009 23:00	4	1.6	3.6	AM	2.7	36.9	47
10/26/2009 0:00	1	2.4	5.4	AM	3.1	37.6	43
10/26/2009 1:00	12	2.0	4.5	AM	4.5	40.1	37
10/26/2009 2:00	5	3.5	7.8	AM	5.1	41.2	35
10/26/2009 3:00	8	4.4	9.8	AM	5.6	42.1	34
10/26/2009 4:00	17	3.8	8.5	AM	5.6	42.1	36
10/26/2009 5:00	20	3.0	6.7	AM	5.8	42.4	38
10/26/2009 6:00	12	3.1	6.9	AM	5.4	41.7	47
10/26/2009 7:00	16	4.0	8.9	AM	5.1	41.2	53
10/26/2009 8:00	12	5.6	12.5	AM	5.1	41.2	57
10/26/2009 9:00	7	5.5	12.3	AM	6.0	42.8	56
10/26/2009 10:00	22	2.3	5.1	AM	7.5	45.5	53
10/26/2009 11:00	11	4.4	9.8	AM	9.6	49.3	49
10/26/2009 12:00	32	5.4	12.1	AM	9.9	49.8	50
10/26/2009 13:00	15	3.5	7.8	AM	10.3	50.5	50
10/26/2009 14:00	23	4.5	10.1	AM	10.6	51.1	48
10/26/2009 15:00	-5	2.3	5.1	AM	10.7	51.3	47
10/26/2009 16:00	17	3.2	7.2	AM	10.8	51.4	47
10/26/2009 17:00	2	1.9	4.3	AM	10.7	51.3	48
10/26/2009 18:00	5	0.9	2.0	AM	9.9	49.8	49
10/26/2009 19:00	9	5.1	11.4	AM	9.9	49.8	51
10/26/2009 20:00	-5	4.5	10.1	AM	4.7	40.5	79
10/26/2009 21:00	-5	3.8	8.5	AM	2.9	37.2	82
10/26/2009 22:00	3	3.8	8.5	AM	3.7	38.7	69
10/26/2009 23:00	23	4.6	10.3	AM	3.1	37.6	59
10/27/2009 0:00	8	4.1	9.2	AM	2.5	36.5	54
10/27/2009 1:00	2	3.7	8.3	AM	1.8	35.2	52
10/27/2009 2:00	3	2.5	5.6	AM	1.4	34.5	55
10/27/2009 3:00	2	1.8	4.0	AM	0.8	33.4	62
10/27/2009 4:00	13	1.3	2.9	AM	0.0	32.0	64
10/27/2009 5:00	1	2.3	5.1	AM	-0.5	31.1	64
10/27/2009 6:00	0	3.4	7.6	AM	0.0	32.0	57
10/27/2009 7:00	0	2.8	6.3	AM	-0.5	31.1	55
10/27/2009 8:00	1	3.4	7.6	AM	-0.4	31.3	56
10/27/2009 9:00	11	3.7	8.3	AM	-0.2	31.6	57
10/27/2009 10:00	8	3.9	8.7	AM	0.2	32.4	54
10/27/2009 11:00	9	3.6	8.1	AM	0.5	32.9	59
10/27/2009 12:00	5	3.8	8.5	AM	0.7	33.3	57
10/27/2009 13:00	10	3.4	7.6	AM	0.8	33.4	58
10/27/2009 14:00	16	2.7	6.0	AM	1.0	33.8	57
10/27/2009 15:00	7	3.5	7.8	271	0.0	32.0	64
10/27/2009 16:00	9	1.6	3.6	343	-0.7	30.7	73
10/27/2009 17:00	-3	1.9	4.3	20	-1.2	29.8	74

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
10/27/2009 18:00	8	1.0	2.2	30	-1.7	28.9	76
10/27/2009 19:00	3	1.1	2.5	342	-1.4	29.5	73
10/27/2009 20:00	-5	1.8	4.0	5	-1.6	29.1	74
10/27/2009 21:00	12	1.6	3.6	22	-1.9	28.6	76
10/27/2009 22:00	-3	1.6	3.6	53	-2.3	27.9	81
10/27/2009 23:00	3	2.3	5.1	35	-2.4	27.7	83
10/28/2009 0:00	10	1.6	3.6	23	-2.7	27.1	85
10/28/2009 1:00	-4	1.3	2.9	349	-2.6	27.3	80
10/28/2009 2:00	3	1.7	3.8	8	-2.3	27.9	77
10/28/2009 3:00	5	1.6	3.6	23	-2.4	27.7	80
10/28/2009 4:00	3	2.0	4.5	23	-2.8	27.0	87
10/28/2009 5:00	9	1.4	3.1	14	-2.7	27.1	87
10/28/2009 6:00	-1	1.0	2.2	5	-2.8	27.0	87
10/28/2009 7:00	8	1.3	2.9	340	-2.8	27.0	87
10/28/2009 8:00	9	1.0	2.2	329	-3.0	26.6	88
10/28/2009 9:00	18	1.4	3.1	303	-2.6	27.3	84
10/28/2009 10:00	19	0.9	2.0	278	-1.9	28.6	80
10/28/2009 11:00	1	0.7	1.6	7	-0.5	31.1	68
10/28/2009 12:00	3	1.0	2.2	20	0.3	32.5	62
10/28/2009 13:00	15	1.2	2.7	24	0.7	33.3	58
10/28/2009 14:00	-1	1.7	3.8	333	0.7	33.3	58
10/28/2009 15:00	-5	2.7	6.0	266	-0.4	31.3	73
10/28/2009 16:00	18	2.2	4.9	284	-0.8	30.6	77
10/28/2009 17:00	16	1.2	2.7	273	-1.4	29.5	79
10/28/2009 18:00	-3	2.3	5.1	244	-1.7	28.9	82
10/28/2009 19:00	9	1.3	2.9	263	-2.2	28.0	82
10/28/2009 20:00	18	1.0	2.2	279	-2.3	27.9	78
10/28/2009 21:00	4	2.5	5.6	24	-1.8	28.8	67
10/28/2009 22:00	-5	2.9	6.5	26	-2.4	27.7	69
10/28/2009 23:00	6	2.1	4.7	2	-3.2	26.2	74
10/29/2009 0:00	7	1.2	2.7	256	-4.6	23.7	81
10/29/2009 1:00	3	1.2	2.7	255	-4.7	23.5	81
10/29/2009 2:00	15	0.9	2.0	252	-6.1	21.0	82
10/29/2009 3:00	11	0.9	2.0	246	-7.8	18.0	81
10/29/2009 4:00	0	0.6	1.3	218	-8.6	16.5	82
10/29/2009 5:00	12	0.9	2.0	219	-8.8	16.2	83
10/29/2009 6:00	17	0.6	1.3	185	-8.0	17.6	83
10/29/2009 7:00	19	0.7	1.6	188	-6.7	19.9	81
10/29/2009 8:00	15	0.7	1.6	183	-5.7	21.7	78
10/29/2009 9:00	7	1.6	3.6	210	-4.6	23.7	68
10/29/2009 10:00	-5	1.7	3.8	217	-3.4	25.9	61
10/29/2009 11:00	-3	2.0	4.5	207	-2.1	28.2	54
10/29/2009 12:00	3	2.5	5.6	211	-0.7	30.7	47
10/29/2009 13:00	6	2.3	5.1	215	0.1	32.2	44
10/29/2009 14:00	9	2.5	5.6	233	0.5	32.9	45
10/29/2009 15:00	6	3.1	6.9	231	1.1	34.0	46
10/29/2009 16:00	4	4.2	9.4	241	1.3	34.3	47
10/29/2009 17:00	7	3.1	6.9	241	0.8	33.4	48
10/29/2009 18:00	12	3.9	8.7	235	0.5	32.9	53
10/29/2009 19:00	1	4.0	8.9	233	-0.2	31.6	62
10/29/2009 20:00	10	4.3	9.6	231	0.1	32.2	63
10/29/2009 21:00	41	4.2	9.4	235	-0.5	31.1	72
10/29/2009 22:00	27	4.0	8.9	234	0.1	32.2	71
10/29/2009 23:00	0	1.0	2.2	215	0.2	32.4	73
10/30/2009 0:00	2	1.0	2.2	35	-0.8	30.6	82
10/30/2009 1:00	16	1.3	2.9	2	-2.2	28.0	86
10/30/2009 2:00	0	1.8	4.0	0	-2.2	28.0	88
10/30/2009 3:00	7	1.0	2.2	240	-2.0	28.4	88
10/30/2009 4:00	2	0.8	1.8	98	-1.9	28.6	87
10/30/2009 5:00	17	1.3	2.9	230	-1.2	29.8	86
10/30/2009 6:00	-3	1.4	3.1	217	-0.6	30.9	85
10/30/2009 7:00	9	1.2	2.7	137	0.5	32.9	83
10/30/2009 8:00	-5	1.6	3.6	234	1.5	34.7	81
10/30/2009 9:00	17	2.1	4.7	351	3.4	38.1	75
10/30/2009 10:00	19	1.8	4.0	328	5.6	42.1	70
10/30/2009 11:00	2	3.3	7.4	280	8.0	46.4	62
10/30/2009 12:00	3	4.5	10.1	275	9.3	48.7	58
10/30/2009 13:00	-4	4.3	9.6	284	9.6	49.3	58
10/30/2009 14:00	5	3.1	6.9	289	10.0	50.0	57
10/30/2009 15:00	2	3.3	7.4	284	10.5	50.9	55
10/30/2009 16:00	BA	BA	BA	BA	10.9	51.6	55
10/30/2009 17:00	BA	3.1	6.9	256	9.8	49.6	59
10/30/2009 18:00	-5	2.7	6.0	252	8.5	47.3	64
10/30/2009 19:00	9	2.9	6.5	232	7.5	45.5	68
10/30/2009 20:00	-5	2.2	4.9	180	7.0	44.6	67
10/30/2009 21:00	-5	3.6	8.1	238	7.5	45.5	64
10/30/2009 22:00	23	3.4	7.6	231	7.2	45.0	65
10/30/2009 23:00	-5	2.5	5.6	225	7.1	44.8	64
10/31/2009 0:00	0	2.1	4.7	214	7.3	45.1	61
10/31/2009 1:00	12	2.2	4.9	209	6.9	44.4	63

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
10/31/2009 2:00	-5	3.7	8.3	228	6.9	44.4	62
10/31/2009 3:00	14	3.8	8.5	222	6.8	44.2	62
10/31/2009 4:00	5	2.2	4.9	192	6.8	44.2	61
10/31/2009 5:00	-1	2.5	5.6	189	7.1	44.8	60
10/31/2009 6:00	-5	4.4	9.8	222	7.3	45.1	59
10/31/2009 7:00	9	6.2	13.9	234	7.3	45.1	61
10/31/2009 8:00	4	3.6	8.1	227	6.9	44.4	67
10/31/2009 9:00	-5	3.6	8.1	220	7.2	45.0	67
10/31/2009 10:00	14	6.2	13.9	231	8.0	46.4	66
10/31/2009 11:00	8	6.1	13.6	233	8.9	48.0	64
10/31/2009 12:00	16	5.6	12.5	231	10.0	50.0	61
10/31/2009 13:00	-5	5.5	12.3	233	11.5	52.7	56
10/31/2009 14:00	2	5.7	12.8	236	12.9	55.2	46
10/31/2009 15:00	6	5.0	11.2	235	13.2	55.8	42
10/31/2009 16:00	0	3.8	8.5	240	13.1	55.6	41
10/31/2009 17:00	12	3.8	8.5	272	10.6	51.1	53
10/31/2009 18:00	5	2.2	4.9	271	8.8	47.8	56
10/31/2009 19:00	1	1.8	4.0	259	8.6	47.5	55
10/31/2009 20:00	2	1.0	2.2	131	6.6	43.9	61
10/31/2009 21:00	4	2.1	4.7	228	7.3	45.1	59
10/31/2009 22:00	5	1.5	3.4	168	6.2	43.2	60
10/31/2009 23:00	-2	1.2	2.7	123	4.9	40.8	64
11/1/2009 0:00	26	0.9	2.0	178	3.4	38.1	70

AM = Miscellaneous void

AO = Bad weather

BA = Routine maintenance / repairs

**Table 6**  
**Warm Springs Site Hourly Average Data**  
**Met One E-BAM**  
**October 2009**

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
10/1/2009 1:00	5	0.9	2.0	35	0.9	33.6	68
10/1/2009 2:00	26	0.9	2.0	90	-0.1	31.8	76
10/1/2009 3:00	2	0.7	1.6	157	-0.3	31.5	77
10/1/2009 4:00	-5	2.1	4.7	254	0.5	32.9	69
10/1/2009 5:00	3	2.8	6.3	264	1.2	34.2	64
10/1/2009 6:00	16	2.2	4.9	269	1.1	34.0	64
10/1/2009 7:00	9	2.7	6.0	244	0.9	33.6	64
10/1/2009 8:00	5	2.4	5.4	222	2.4	36.3	59
10/1/2009 9:00	5	3.2	7.2	238	3.7	38.7	55
10/1/2009 10:00	11	4.3	9.6	259	6.2	43.2	47
10/1/2009 11:00	10	4.4	9.8	274	7.1	44.8	42
10/1/2009 12:00	-5	4.0	8.9	265	6.1	43.0	44
10/1/2009 13:00	0	4.0	8.9	258	6.8	44.2	40
10/1/2009 14:00	6	3.9	8.7	263	6.9	44.4	43
10/1/2009 15:00	10	4.0	8.9	260	7.5	45.5	41
10/1/2009 16:00	14	4.1	9.2	256	8.1	46.6	39
10/1/2009 17:00	-1	3.5	7.8	260	7.0	44.6	43
10/1/2009 18:00	11	2.4	5.4	271	6.2	43.2	46
10/1/2009 19:00	6	2.1	4.7	279	5.1	41.2	51
10/1/2009 20:00	1	1.6	3.6	259	3.9	39.0	56
10/1/2009 21:00	6	1.5	3.4	251	2.8	37.0	61
10/1/2009 22:00	3	1.6	3.6	266	1.3	34.3	67
10/1/2009 23:00	3	0.7	1.6	282	0.6	33.1	69
10/2/2009 0:00	11	1.1	2.5	255	1.8	35.2	66
10/2/2009 1:00	14	1.5	3.4	217	3.7	38.7	60
10/2/2009 2:00	-2	1.7	3.8	192	3.3	37.9	63
10/2/2009 3:00	3	1.6	3.6	197	3.0	37.4	64
10/2/2009 4:00	6	1.7	3.8	184	3.0	37.4	63
10/2/2009 5:00	5	1.9	4.3	195	2.0	35.6	67
10/2/2009 6:00	-4	2.0	4.5	188	0.9	33.6	70
10/2/2009 7:00	6	1.8	4.0	174	0.3	32.5	71
10/2/2009 8:00	10	1.8	4.0	185	1.5	34.7	67
10/2/2009 9:00	2	2.6	5.8	189	5.0	41.0	52
10/2/2009 10:00	10	3.1	6.9	188	6.1	43.0	48
10/2/2009 11:00	-3	2.4	5.4	180	7.9	46.2	44
10/2/2009 12:00	1	2.6	5.8	187	9.9	49.8	37
10/2/2009 13:00	10	3.5	7.8	189	10.9	51.6	34
10/2/2009 14:00	6	3.7	8.3	190	11.5	52.7	32
10/2/2009 15:00	14	3.2	7.2	226	11.5	52.7	34
10/2/2009 16:00	-5	2.1	4.7	253	10.9	51.6	35
10/2/2009 17:00	3	1.8	4.0	258	9.8	49.6	38
10/2/2009 18:00	-2	1.4	3.1	272	9.0	48.2	42
10/2/2009 19:00	6	0.5	1.1	33	6.0	42.8	58
10/2/2009 20:00	-4	0.6	1.3	156	3.5	38.3	69
10/2/2009 21:00	2	0.8	1.8	132	2.4	36.3	74
10/2/2009 22:00	2	1.4	3.1	175	1.7	35.1	73
10/2/2009 23:00	-5	1.3	2.9	182	0.6	33.1	76
10/3/2009 0:00	2	1.3	2.9	183	0.1	32.2	79
10/3/2009 1:00	13	1.1	2.5	163	-0.8	30.6	82
10/3/2009 2:00	-4	1.0	2.2	142	-1.9	28.6	83
10/3/2009 3:00	15	1.0	2.2	209	-1.5	29.3	84
10/3/2009 4:00	-3	1.1	2.5	194	-1.5	29.3	82
10/3/2009 5:00	-5	1.0	2.2	179	-0.5	31.1	80
10/3/2009 6:00	5	1.0	2.2	206	-0.9	30.4	82
10/3/2009 7:00	9	0.7	1.6	199	-0.7	30.7	81
10/3/2009 8:00	0	0.7	1.6	330	-0.5	31.1	83
10/3/2009 9:00	-5	0.5	1.1	338	1.4	34.5	74
10/3/2009 10:00	3	0.9	2.0	171	6.4	43.5	55
10/3/2009 11:00	17	1.3	2.9	123	9.0	48.2	47
10/3/2009 12:00	9	1.3	2.9	43	10.8	51.4	41
10/3/2009 13:00	-2	1.5	3.4	1	10.6	51.1	42
10/3/2009 14:00	2	2.4	5.4	56	11.3	52.3	36
10/3/2009 15:00	5	2.8	6.3	94	11.5	52.7	33
10/3/2009 16:00	-3	2.2	4.9	73	10.3	50.5	41
10/3/2009 17:00	6	2.3	5.1	10	8.0	46.4	57
10/3/2009 18:00	7	2.8	6.3	355	6.4	43.5	63
10/3/2009 19:00	9	3.4	7.6	345	5.5	41.9	65
10/3/2009 20:00	11	3.7	8.3	342	5.3	41.5	66
10/3/2009 21:00	4	3.7	8.3	345	4.6	40.3	66
10/3/2009 22:00	6	3.6	8.1	345	3.9	39.0	67
10/3/2009 23:00	-5	3.3	7.4	346	3.3	37.9	69
10/4/2009 0:00	13	3.4	7.6	346	2.8	37.0	71
10/4/2009 1:00	-4	3.2	7.2	345	2.6	36.7	72
10/4/2009 2:00	7	3.1	6.9	349	2.6	36.7	73
10/4/2009 3:00	3	2.9	6.5	351	2.6	36.7	72
10/4/2009 4:00	2	2.9	6.5	350	2.5	36.5	71

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
10/4/2009 5:00	2	2.6	5.8	352	2.4	36.3	70
10/4/2009 6:00	-1	2.2	4.9	354	2.5	36.5	69
10/4/2009 7:00	2	2.1	4.7	356	2.5	36.5	67
10/4/2009 8:00	1	1.7	3.8	358	2.6	36.7	65
10/4/2009 9:00	-1	1.6	3.6	359	2.6	36.7	67
10/4/2009 10:00	8	2.2	4.9	357	2.3	36.1	71
10/4/2009 11:00	-1	2.1	4.7	355	2.8	37.0	67
10/4/2009 12:00	6	3.3	7.4	349	2.4	36.3	67
10/4/2009 13:00	2	3.3	7.4	350	2.4	36.3	65
10/4/2009 14:00	4	3.3	7.4	350	2.5	36.5	64
10/4/2009 15:00	4	2.9	6.5	349	2.6	36.7	64
10/4/2009 16:00	6	2.7	6.0	355	2.4	36.3	65
10/4/2009 17:00	9	2.7	6.0	346	2.1	35.8	67
10/4/2009 18:00	1	3.0	6.7	344	2.1	35.8	68
10/4/2009 19:00	13	3.1	6.9	345	1.7	35.1	68
10/4/2009 20:00	-2	3.2	7.2	345	1.2	34.2	69
10/4/2009 21:00	-2	3.6	8.1	344	0.7	33.3	71
10/4/2009 22:00	6	3.1	6.9	346	0.5	32.9	74
10/4/2009 23:00	-2	2.6	5.8	348	0.6	33.1	75
10/5/2009 0:00	-4	2.7	6.0	349	0.5	32.9	78
10/5/2009 1:00	11	2.9	6.5	349	0.3	32.5	81
10/5/2009 2:00	-3	2.9	6.5	353	0.5	32.9	77
10/5/2009 3:00	-2	2.7	6.0	351	0.4	32.7	76
10/5/2009 4:00	3	3.0	6.7	346	0.1	32.2	77
10/5/2009 5:00	2	2.7	6.0	348	0.0	32.0	78
10/5/2009 6:00	0	2.6	5.8	349	-0.2	31.6	78
10/5/2009 7:00	1	2.9	6.5	347	-0.1	31.8	77
10/5/2009 8:00	2	2.8	6.3	348	0.0	32.0	76
10/5/2009 9:00	3	2.8	6.3	347	0.4	32.7	75
10/5/2009 10:00	-4	3.1	6.9	349	1.3	34.3	71
10/5/2009 11:00	-4	3.2	7.2	352	2.0	35.6	66
10/5/2009 12:00	2	3.5	7.8	349	3.5	38.3	61
10/5/2009 13:00	3	3.3	7.4	345	4.2	39.6	57
10/5/2009 14:00	10	3.0	6.7	352	5.3	41.5	53
10/5/2009 15:00	0	2.4	5.4	1	5.2	41.4	52
10/5/2009 16:00	-5	2.4	5.4	356	4.6	40.3	54
10/5/2009 17:00	6	1.9	4.3	359	4.6	40.3	53
10/5/2009 18:00	11	1.4	3.1	352	2.7	36.9	60
10/5/2009 19:00	-4	0.8	1.8	298	-1.4	29.5	75
10/5/2009 20:00	-5	0.6	1.3	201	-3.0	26.6	82
10/5/2009 21:00	13	1.0	2.2	190	-2.2	28.0	82
10/5/2009 22:00	9	1.1	2.5	190	-3.2	26.2	83
10/5/2009 23:00	8	1.6	3.6	192	-2.7	27.1	78
10/6/2009 0:00	-5	1.7	3.8	180	-3.8	25.2	79
10/6/2009 1:00	3	2.2	4.9	194	-3.7	25.3	79
10/6/2009 2:00	4	2.0	4.5	178	-3.6	25.5	79
10/6/2009 3:00	4	2.3	5.1	183	-3.0	26.6	77
10/6/2009 4:00	4	2.8	6.3	192	-3.1	26.4	75
10/6/2009 5:00	4	3.0	6.7	192	-2.6	27.3	72
10/6/2009 6:00	-5	2.8	6.3	190	-2.8	27.0	71
10/6/2009 7:00	12	2.8	6.3	183	-2.9	26.8	71
10/6/2009 8:00	-5	3.6	8.1	190	-0.7	30.7	64
10/6/2009 9:00	10	2.5	5.6	247	1.6	34.9	59
10/6/2009 10:00	1	3.0	6.7	219	4.5	40.1	51
10/6/2009 11:00	10	3.3	7.4	234	7.9	46.2	41
10/6/2009 12:00	2	4.4	9.8	256	9.8	49.6	34
10/6/2009 13:00	10	5.6	12.5	254	11.5	52.7	30
10/6/2009 14:00	5	5.6	12.5	256	12.4	54.3	30
10/6/2009 15:00	4	5.3	11.9	254	12.9	55.2	31
10/6/2009 16:00	7	4.9	11.0	253	13.5	56.3	30
10/6/2009 17:00	1	4.9	11.0	252	12.1	53.8	34
10/6/2009 18:00	-5	4.1	9.2	254	10.6	51.1	39
10/6/2009 19:00	-5	2.4	5.4	265	8.6	47.5	46
10/6/2009 20:00	1	2.6	5.8	248	7.7	45.9	51
10/6/2009 21:00	-4	3.7	8.3	276	8.5	47.3	48
10/6/2009 22:00	3	3.2	7.2	284	8.6	47.5	46
10/6/2009 23:00	8	1.5	3.4	348	6.7	44.1	55
10/7/2009 0:00	19	0.6	1.3	33	6.2	43.2	54
10/7/2009 1:00	6	0.8	1.8	322	4.9	40.8	58
10/7/2009 2:00	4	0.9	2.0	192	4.3	39.7	61
10/7/2009 3:00	8	0.7	1.6	147	3.7	38.7	67
10/7/2009 4:00	13	0.8	1.8	0	3.1	37.6	73
10/7/2009 5:00	-4	1.2	2.7	350	3.4	38.1	69
10/7/2009 6:00	-5	1.4	3.1	18	3.2	37.8	70
10/7/2009 7:00	8	2.0	4.5	352	1.7	35.1	72
10/7/2009 8:00	-5	2.9	6.5	344	1.4	34.5	68
10/7/2009 9:00	1	3.4	7.6	338	0.8	33.4	72
10/7/2009 10:00	38	3.5	7.8	340	-0.4	31.3	82
10/7/2009 11:00	3	3.1	6.9	344	-1.0	30.2	88
10/7/2009 12:00	15	3.4	7.6	343	-0.9	30.4	86
10/7/2009 13:00	17	3.2	7.2	343	-0.4	31.3	83

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
10/7/2009 14:00	12	3.7	8.3	340	0.4	32.7	77
10/7/2009 15:00	3	3.3	7.4	345	0.8	33.4	78
10/7/2009 16:00	10	2.0	4.5	335	-0.9	30.4	87
10/7/2009 17:00	8	1.0	2.2	51	0.5	32.9	82
10/7/2009 18:00	-5	2.0	4.5	339	0.0	32.0	76
10/7/2009 19:00	-3	AO	AO	AO	-1.1	30.0	75
10/7/2009 20:00	4	AO	AO	AO	-1.4	29.5	73
10/7/2009 21:00	-5	AO	AO	AO	-1.9	28.6	73
10/7/2009 22:00	-2	AO	AO	AO	-2.0	28.4	72
10/7/2009 23:00	8	AO	AO	AO	-2.2	28.0	72
10/8/2009 0:00	6	AO	AO	AO	-2.5	27.5	73
10/8/2009 1:00	-2	AO	AO	AO	-3.2	26.2	73
10/8/2009 2:00	14	AO	AO	AO	-4.7	23.5	79
10/8/2009 3:00	-5	AO	AO	AO	-6.8	19.8	82
10/8/2009 4:00	2	AO	AO	AO	-8.0	17.6	86
10/8/2009 5:00	-3	AO	AO	AO	-9.2	15.4	84
10/8/2009 6:00	2	AO	AO	AO	-8.8	16.2	84
10/8/2009 7:00	-5	AO	AO	AO	-8.5	16.7	82
10/8/2009 8:00	8	AO	AO	AO	-6.6	20.1	79
10/8/2009 9:00	-4	AO	AO	AO	-3.9	25.0	68
10/8/2009 10:00	8	AO	AO	AO	-0.2	31.6	62
10/8/2009 11:00	7	2.5	5.6	177	3.1	37.6	54
10/8/2009 12:00	5	2.6	5.8	160	4.5	40.1	50
10/8/2009 13:00	4	2.8	6.3	208	6.7	44.1	42
10/8/2009 14:00	2	4.5	10.1	259	6.9	44.4	38
10/8/2009 15:00	-5	4.3	9.6	265	6.4	43.5	40
10/8/2009 16:00	9	3.9	8.7	278	7.1	44.8	36
10/8/2009 17:00	-1	2.1	4.7	337	5.2	41.4	48
10/8/2009 18:00	-5	2.1	4.7	330	4.6	40.3	46
10/8/2009 19:00	-2	3.2	7.2	305	3.8	38.8	44
10/8/2009 20:00	5	1.4	3.1	346	2.0	35.6	58
10/8/2009 21:00	-4	1.3	2.9	31	1.0	33.8	73
10/8/2009 22:00	AM	1.5	3.4	17	-0.8	30.6	88
10/8/2009 23:00	AM	3.4	7.6	345	-3.8	25.2	87
10/9/2009 0:00	AM	2.3	5.1	349	-6.0	21.2	83
10/9/2009 1:00	AM	3.4	7.6	344	-7.5	18.5	83
10/9/2009 2:00	AM	2.8	6.3	349	-8.3	17.1	83
10/9/2009 3:00	AM	3.3	7.4	345	-8.9	16.0	82
10/9/2009 4:00	AM	3.3	7.4	346	-9.5	14.9	81
10/9/2009 5:00	AM	3.3	7.4	347	-10.0	14.0	79
10/9/2009 6:00	AM	2.9	6.5	349	-11.1	12.0	78
10/9/2009 7:00	AM	2.4	5.4	349	-11.4	11.5	76
10/9/2009 8:00	AM	2.0	4.5	353	-11.6	11.1	72
10/9/2009 9:00	AM	2.4	5.4	353	-10.2	13.6	62
10/9/2009 10:00	10	3.0	6.7	346	-9.7	14.5	63
10/9/2009 11:00	11	2.9	6.5	346	-8.6	16.5	61
10/9/2009 12:00	-1	3.2	7.2	341	-7.5	18.5	58
10/9/2009 13:00	12	2.5	5.6	344	-6.6	20.1	54
10/9/2009 14:00	2	2.2	4.9	325	-6.7	19.9	54
10/9/2009 15:00	3	1.1	2.5	348	-6.1	21.0	52
10/9/2009 16:00	1	1.2	2.7	344	-6.0	21.2	54
10/9/2009 17:00	3	1.3	2.9	347	-7.1	19.2	59
10/9/2009 18:00	10	1.8	4.0	346	-7.9	17.8	62
10/9/2009 19:00	3	1.7	3.8	345	-9.0	15.8	65
10/9/2009 20:00	7	1.2	2.7	6	-10.1	13.8	66
10/9/2009 21:00	4	1.0	2.2	12	-11.1	12.0	67
10/9/2009 22:00	7	0.6	1.3	47	-12.7	9.1	71
10/9/2009 23:00	8	0.5	1.1	38	-13.3	8.1	73
10/10/2009 0:00	-5	0.5	1.1	36	-12.5	9.5	70
10/10/2009 1:00	0	0.8	1.8	332	-12.3	9.9	70
10/10/2009 2:00	1	0.8	1.8	329	-12.2	10.0	70
10/10/2009 3:00	2	0.6	1.3	269	-12.1	10.2	71
10/10/2009 4:00	5	0.6	1.3	301	-11.9	10.6	71
10/10/2009 5:00	1	0.6	1.3	347	-11.8	10.8	71
10/10/2009 6:00	-5	0.6	1.3	5	-11.9	10.6	73
10/10/2009 7:00	13	0.6	1.3	0	-12.0	10.4	74
10/10/2009 8:00	8	0.8	1.8	6	-11.7	10.9	72
10/10/2009 9:00	9	0.9	2.0	1	-10.8	12.6	71
10/10/2009 10:00	3	1.1	2.5	3	-9.9	14.2	68
10/10/2009 11:00	8	1.1	2.5	10	-8.7	16.3	63
10/10/2009 12:00	0	1.2	2.7	354	-7.2	19.0	58
10/10/2009 13:00	13	1.4	3.1	351	-5.9	21.4	54
10/10/2009 14:00	4	1.5	3.4	348	-5.1	22.8	54
10/10/2009 15:00	5	1.6	3.6	358	-3.4	25.9	50
10/10/2009 16:00	2	1.8	4.0	350	-3.9	25.0	51
10/10/2009 17:00	AM	2.2	4.9	335	-4.9	23.2	53
10/10/2009 18:00	11	1.8	4.0	324	-7.2	19.0	62
10/10/2009 19:00	-1	0.7	1.6	338	-9.1	15.6	70
10/10/2009 20:00	7	0.8	1.8	47	-8.5	16.7	64
10/10/2009 21:00	4	0.9	2.0	9	-10.0	14.0	65
10/10/2009 22:00	-1	1.0	2.2	355	-11.0	12.2	67

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
10/10/2009 23:00	6	1.0	2.2	353	-12.1	10.2	70
10/11/2009 0:00	7	1.1	2.5	2	-12.0	10.4	68
10/11/2009 1:00	5	0.8	1.8	7	-12.0	10.4	68
10/11/2009 2:00	9	0.8	1.8	3	-11.9	10.6	68
10/11/2009 3:00	7	0.8	1.8	7	-11.9	10.6	68
10/11/2009 4:00	4	0.7	1.6	4	-11.9	10.6	69
10/11/2009 5:00	7	0.8	1.8	355	-11.8	10.8	70
10/11/2009 6:00	-1	0.7	1.6	4	-11.9	10.6	69
10/11/2009 7:00	-5	0.8	1.8	351	-12.0	10.4	71
10/11/2009 8:00	24	0.8	1.8	10	-11.7	10.9	70
10/11/2009 9:00	-2	0.9	2.0	10	-10.9	12.4	67
10/11/2009 10:00	1	1.1	2.5	5	-10.0	14.0	64
10/11/2009 11:00	-2	1.2	2.7	8	-8.9	16.0	60
10/11/2009 12:00	2	1.1	2.5	8	-7.5	18.5	55
10/11/2009 13:00	2	1.5	3.4	339	-6.8	19.8	54
10/11/2009 14:00	1	1.4	3.1	341	-5.2	22.6	50
10/11/2009 15:00	13	1.2	2.7	7	-4.0	24.8	46
10/11/2009 16:00	-5	1.4	3.1	285	-4.2	24.4	47
10/11/2009 17:00	11	1.2	2.7	307	-5.0	23.0	50
10/11/2009 18:00	5	0.9	2.0	347	-6.6	20.1	58
10/11/2009 19:00	5	0.5	1.1	4	-9.4	15.1	70
10/11/2009 20:00	2	0.3	0.7	218	-12.0	10.4	78
10/11/2009 21:00	21	0.4	0.9	293	-13.0	8.6	82
10/11/2009 22:00	-5	0.6	1.3	267	-13.0	8.6	79
10/11/2009 23:00	4	0.6	1.3	201	-13.5	7.7	80
10/12/2009 0:00	5	0.8	1.8	133	-14.4	6.1	80
10/12/2009 1:00	-2	1.1	2.5	169	-14.6	5.7	77
10/12/2009 2:00	-1	1.1	2.5	175	-15.3	4.5	76
10/12/2009 3:00	1	0.7	1.6	156	-15.8	3.6	77
10/12/2009 4:00	12	0.6	1.3	136	-15.5	4.1	77
10/12/2009 5:00	3	0.4	0.9	116	-15.7	3.7	79
10/12/2009 6:00	4	0.4	0.9	355	-15.6	3.9	79
10/12/2009 7:00	9	0.5	1.1	16	-15.2	4.6	79
10/12/2009 8:00	-5	0.4	0.9	14	-14.1	6.6	77
10/12/2009 9:00	23	0.7	1.6	342	-9.7	14.5	69
10/12/2009 10:00	-4	1.0	2.2	46	-6.6	20.1	61
10/12/2009 11:00	16	1.1	2.5	157	-2.4	27.7	48
10/12/2009 12:00	6	1.2	2.7	73	-0.7	30.7	47
10/12/2009 13:00	3	1.1	2.5	43	1.3	34.3	44
10/12/2009 14:00	12	1.1	2.5	23	2.8	37.0	42
10/12/2009 15:00	2	1.0	2.2	19	3.3	37.9	44
10/12/2009 16:00	7	1.2	2.7	1	3.3	37.9	45
10/12/2009 17:00	1	1.4	3.1	354	1.8	35.2	48
10/12/2009 18:00	7	0.8	1.8	9	0.6	33.1	52
10/12/2009 19:00	16	0.8	1.8	347	-0.5	31.1	59
10/12/2009 20:00	17	0.6	1.3	355	-2.2	28.0	68
10/12/2009 21:00	6	0.4	0.9	32	-2.8	27.0	72
10/12/2009 22:00	15	0.7	1.6	282	-4.5	23.9	79
10/12/2009 23:00	6	0.6	1.3	196	-6.0	21.2	84
10/13/2009 0:00	3	0.7	1.6	123	-5.5	22.1	85
10/13/2009 1:00	11	0.6	1.3	330	-5.3	22.5	84
10/13/2009 2:00	17	1.1	2.5	234	-3.4	25.9	76
10/13/2009 3:00	6	1.3	2.9	198	-2.3	27.9	68
10/13/2009 4:00	2	0.4	0.9	40	-2.8	27.0	74
10/13/2009 5:00	27	0.7	1.6	25	-4.0	24.8	77
10/13/2009 6:00	19	0.6	1.3	353	-4.1	24.6	77
10/13/2009 7:00	10	0.5	1.1	13	-3.5	25.7	76
10/13/2009 8:00	9	0.7	1.6	302	-2.9	26.8	76
10/13/2009 9:00	4	0.6	1.3	186	-0.6	30.9	67
10/13/2009 10:00	3	1.2	2.7	177	2.9	37.2	53
10/13/2009 11:00	23	1.1	2.5	82	5.4	41.7	48
10/13/2009 12:00	14	1.1	2.5	36	8.2	46.8	44
10/13/2009 13:00	6	1.3	2.9	96	11.0	51.8	41
10/13/2009 14:00	4	3.1	6.9	140	13.0	55.4	42
10/13/2009 15:00	7	3.4	7.6	158	13.1	55.6	42
10/13/2009 16:00	6	3.5	7.8	159	12.5	54.5	45
10/13/2009 17:00	5	2.6	5.8	193	11.8	53.2	46
10/13/2009 18:00	1	2.2	4.9	205	10.5	50.9	50
10/13/2009 19:00	11	1.7	3.8	217	9.5	49.1	53
10/13/2009 20:00	4	2.4	5.4	214	9.2	48.6	54
10/13/2009 21:00	10	5.4	12.1	151	9.4	48.9	52
10/13/2009 22:00	13	6.0	13.4	138	9.1	48.4	51
10/13/2009 23:00	4	4.8	10.7	140	8.7	47.7	52
10/14/2009 0:00	16	1.9	4.3	185	7.1	44.8	57
10/14/2009 1:00	4	1.5	3.4	293	5.4	41.7	63
10/14/2009 2:00	11	1.5	3.4	205	7.0	44.6	59
10/14/2009 3:00	11	4.2	9.4	152	9.2	48.6	57
10/14/2009 4:00	11	4.0	8.9	156	8.8	47.8	61
10/14/2009 5:00	12	3.2	7.2	176	8.3	46.9	66
10/14/2009 6:00	-4	3.6	8.1	149	8.5	47.3	64

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
10/14/2009 7:00	6	3.1	6.9	165	8.5	47.3	64
10/14/2009 8:00	-4	2.9	6.5	173	8.4	47.1	65
10/14/2009 9:00	8	3.9	8.7	172	9.1	48.4	65
10/14/2009 10:00	-4	3.5	7.8	174	10.5	50.9	59
10/14/2009 11:00	9	4.2	9.4	193	12.9	55.2	49
10/14/2009 12:00	11	5.5	12.3	200	14.3	57.7	45
10/14/2009 13:00	17	5.5	12.3	209	15.7	60.3	37
10/14/2009 14:00	-5	4.3	9.6	216	15.1	59.2	39
10/14/2009 15:00	5	4.3	9.6	212	15.3	59.5	39
10/14/2009 16:00	-5	3.4	7.6	223	13.9	57.0	46
10/14/2009 17:00	9	1.8	4.0	196	13.8	56.8	46
10/14/2009 18:00	-2	3.1	6.9	244	9.3	48.7	70
10/14/2009 19:00	-2	2.0	4.5	204	7.9	46.2	73
10/14/2009 20:00	-5	2.4	5.4	236	8.5	47.3	67
10/14/2009 21:00	-5	2.4	5.4	200	7.3	45.1	69
10/14/2009 22:00	-5	1.2	2.7	195	3.7	38.7	81
10/14/2009 23:00	9	1.7	3.8	175	5.1	41.2	78
10/15/2009 0:00	4	2.0	4.5	188	5.6	42.1	76
10/15/2009 1:00	-5	1.5	3.4	155	4.4	39.9	79
10/15/2009 2:00	3	1.7	3.8	192	5.5	41.9	75
10/15/2009 3:00	13	1.8	4.0	188	4.8	40.6	77
10/15/2009 4:00	-2	1.3	2.9	158	4.4	39.9	79
10/15/2009 5:00	-2	1.5	3.4	172	5.2	41.4	76
10/15/2009 6:00	-1	1.7	3.8	172	4.9	40.8	77
10/15/2009 7:00	6	1.6	3.6	218	4.9	40.8	75
10/15/2009 8:00	-5	0.9	2.0	348	2.7	36.9	83
10/15/2009 9:00	-1	1.3	2.9	155	6.5	43.7	69
10/15/2009 10:00	8	2.2	4.9	232	10.0	50.0	54
10/15/2009 11:00	10	1.3	2.9	10	8.9	48.0	65
10/15/2009 12:00	5	1.5	3.4	15	10.9	51.6	56
10/15/2009 13:00	7	2.0	4.5	348	12.9	55.2	45
10/15/2009 14:00	-2	4.2	9.4	280	12.3	54.1	45
10/15/2009 15:00	-5	2.5	5.6	9	10.5	50.9	57
10/15/2009 16:00	0	1.8	4.0	31	9.8	49.6	62
10/15/2009 17:00	0	1.7	3.8	24	8.3	46.9	67
10/15/2009 18:00	7	1.2	2.7	59	7.2	45.0	69
10/15/2009 19:00	-2	1.0	2.2	319	3.6	38.5	80
10/15/2009 20:00	-5	0.8	1.8	275	1.6	34.9	86
10/15/2009 21:00	9	0.9	2.0	192	1.1	34.0	89
10/15/2009 22:00	-2	1.0	2.2	154	0.3	32.5	88
10/15/2009 23:00	2	0.7	1.6	325	-1.5	29.3	89
10/16/2009 0:00	5	0.8	1.8	153	-0.9	30.4	89
10/16/2009 1:00	6	0.7	1.6	178	-1.0	30.2	89
10/16/2009 2:00	-5	0.7	1.6	128	-1.4	29.5	89
10/16/2009 3:00	24	1.0	2.2	198	-1.1	30.0	87
10/16/2009 4:00	-5	0.7	1.6	353	-1.3	29.7	88
10/16/2009 5:00	1	0.7	1.6	360	-1.0	30.2	87
10/16/2009 6:00	1	0.5	1.1	255	-2.1	28.2	89
10/16/2009 7:00	17	0.6	1.3	136	-1.8	28.8	90
10/16/2009 8:00	3	0.5	1.1	39	-1.1	30.0	89
10/16/2009 9:00	19	0.6	1.3	11	1.1	34.0	86
10/16/2009 10:00	-1	0.7	1.6	66	4.4	39.9	75
10/16/2009 11:00	6	1.0	2.2	16	7.8	46.0	66
10/16/2009 12:00	BA	1.2	2.7	53	12.9	55.2	51
10/16/2009 13:00	18	2.3	5.1	161	15.9	60.6	42
10/16/2009 14:00	10	2.4	5.4	172	17.5	63.5	37
10/16/2009 15:00	2	2.4	5.4	222	18.2	64.8	36
10/16/2009 16:00	-1	1.5	3.4	124	18.3	64.9	37
10/16/2009 17:00	7	1.2	2.7	1	16.6	61.9	42
10/16/2009 18:00	-1	0.9	2.0	342	12.3	54.1	56
10/16/2009 19:00	-4	0.6	1.3	222	6.4	43.5	75
10/16/2009 20:00	11	1.0	2.2	201	5.9	42.6	80
10/16/2009 21:00	-5	1.8	4.0	204	6.8	44.2	76
10/16/2009 22:00	13	1.6	3.6	204	6.9	44.4	75
10/16/2009 23:00	4	1.4	3.1	179	6.2	43.2	76
10/17/2009 0:00	8	1.5	3.4	218	6.4	43.5	75
10/17/2009 1:00	-4	1.9	4.3	219	5.9	42.6	76
10/17/2009 2:00	4	2.1	4.7	220	7.0	44.6	72
10/17/2009 3:00	3	2.4	5.4	217	7.0	44.6	71
10/17/2009 4:00	8	2.3	5.1	219	7.2	45.0	70
10/17/2009 5:00	6	2.5	5.6	192	10.0	50.0	60
10/17/2009 6:00	0	2.8	6.3	209	7.9	46.2	67
10/17/2009 7:00	-5	2.5	5.6	212	8.1	46.6	66
10/17/2009 8:00	-1	3.1	6.9	171	11.0	51.8	55
10/17/2009 9:00	14	4.4	9.8	148	13.9	57.0	45
10/17/2009 10:00	5	4.6	10.3	146	16.2	61.2	38
10/17/2009 11:00	11	4.1	9.2	155	17.6	63.7	34
10/17/2009 12:00	-2	5.6	12.5	150	17.7	63.9	34
10/17/2009 13:00	7	5.2	11.6	146	19.9	67.8	28
10/17/2009 14:00	5	4.4	9.8	169	21.8	71.2	22
10/17/2009 15:00	9	4.4	9.8	193	22.7	72.9	19

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
10/17/2009 16:00	-1	4.6	10.3	209	22.9	73.2	18
10/17/2009 17:00	-5	3.0	6.7	213	20.2	68.4	23
10/17/2009 18:00	3	1.9	4.3	179	17.7	63.9	30
10/17/2009 19:00	-1	2.3	5.1	183	16.4	61.5	36
10/17/2009 20:00	-1	2.5	5.6	176	15.3	59.5	41
10/17/2009 21:00	1	3.4	7.6	183	15.2	59.4	39
10/17/2009 22:00	6	3.8	8.5	162	16.2	61.2	35
10/17/2009 23:00	-1	3.8	8.5	162	15.2	59.4	37
10/18/2009 0:00	0	4.0	8.9	166	15.5	59.9	36
10/18/2009 1:00	2	3.6	8.1	169	13.6	56.5	41
10/18/2009 2:00	-5	3.1	6.9	168	13.2	55.8	43
10/18/2009 3:00	14	3.3	7.4	171	13.6	56.5	46
10/18/2009 4:00	-5	2.0	4.5	194	11.5	52.7	50
10/18/2009 5:00	4	1.7	3.8	352	11.3	52.3	59
10/18/2009 6:00	0	1.4	3.1	355	9.6	49.3	71
10/18/2009 7:00	10	1.2	2.7	1	9.0	48.2	75
10/18/2009 8:00	7	1.2	2.7	341	8.9	48.0	75
10/18/2009 9:00	-3	1.3	2.9	13	10.6	51.1	67
10/18/2009 10:00	7	1.3	2.9	12	12.4	54.3	61
10/18/2009 11:00	9	1.3	2.9	6	12.3	54.1	61
10/18/2009 12:00	7	1.7	3.8	12	14.3	57.7	60
10/18/2009 13:00	2	1.6	3.6	8	14.8	58.6	59
10/18/2009 14:00	-1	1.7	3.8	2	14.4	57.9	58
10/18/2009 15:00	-5	2.0	4.5	355	14.5	58.1	58
10/18/2009 16:00	9	1.7	3.8	1	14.8	58.6	60
10/18/2009 17:00	-4	1.6	3.6	349	13.2	55.8	61
10/18/2009 18:00	2	1.0	2.2	350	11.4	52.5	60
10/18/2009 19:00	3	0.9	2.0	345	9.5	49.1	64
10/18/2009 20:00	2	0.5	1.1	269	6.7	44.1	72
10/18/2009 21:00	-1	0.6	1.3	231	5.2	41.4	79
10/18/2009 22:00	0	0.5	1.1	131	4.0	39.2	85
10/18/2009 23:00	2	0.8	1.8	146	4.2	39.6	84
10/19/2009 0:00	4	0.9	2.0	157	3.8	38.8	84
10/19/2009 1:00	7	0.8	1.8	171	2.7	36.9	86
10/19/2009 2:00	-1	0.9	2.0	154	3.2	37.8	86
10/19/2009 3:00	3	0.6	1.3	173	3.4	38.1	85
10/19/2009 4:00	8	0.9	2.0	149	3.6	38.5	85
10/19/2009 5:00	-5	1.0	2.2	179	4.6	40.3	83
10/19/2009 6:00	2	0.8	1.8	238	4.6	40.3	85
10/19/2009 7:00	4	0.4	0.9	42	4.4	39.9	87
10/19/2009 8:00	2	0.9	2.0	349	4.7	40.5	88
10/19/2009 9:00	12	0.5	1.1	220	4.8	40.6	90
10/19/2009 10:00	5	0.5	1.1	292	5.0	41.0	90
10/19/2009 11:00	7	0.4	0.9	27	5.3	41.5	90
10/19/2009 12:00	1	0.7	1.6	355	5.6	42.1	90
10/19/2009 13:00	4	1.5	3.4	347	5.6	42.1	89
10/19/2009 14:00	2	1.4	3.1	355	4.9	40.8	88
10/19/2009 15:00	3	0.8	1.8	9	4.7	40.5	89
10/19/2009 16:00	-3	0.7	1.6	66	4.3	39.7	88
10/19/2009 17:00	5	0.5	1.1	90	4.0	39.2	88
10/19/2009 18:00	-3	0.4	0.9	97	3.8	38.8	90
10/19/2009 19:00	-2	0.6	1.3	154	3.7	38.7	90
10/19/2009 20:00	2	0.8	1.8	182	3.6	38.5	90
10/19/2009 21:00	-5	0.9	2.0	195	3.5	38.3	91
10/19/2009 22:00	11	AO	AO	AO	3.4	38.1	91
10/19/2009 23:00	0	AO	AO	AO	3.4	38.1	91
10/20/2009 0:00	-1	AO	AO	AO	3.4	38.1	92
10/20/2009 1:00	3	AO	AO	AO	3.4	38.1	91
10/20/2009 2:00	3	AO	AO	AO	3.5	38.3	91
10/20/2009 3:00	2	AO	AO	AO	3.5	38.3	91
10/20/2009 4:00	6	AO	AO	AO	3.4	38.1	92
10/20/2009 5:00	-1	AO	AO	AO	3.1	37.6	92
10/20/2009 6:00	13	AO	AO	AO	3.0	37.4	91
10/20/2009 7:00	0	AO	AO	AO	2.0	35.6	91
10/20/2009 8:00	-5	AO	AO	AO	0.9	33.6	92
10/20/2009 9:00	12	AO	AO	AO	2.4	36.3	92
10/20/2009 10:00	6	AO	AO	AO	4.3	39.7	87
10/20/2009 11:00	-4	0.7	1.6	85	5.7	42.3	78
10/20/2009 12:00	2	1.1	2.5	81	7.4	45.3	71
10/20/2009 13:00	2	1.0	2.2	42	7.8	46.0	69
10/20/2009 14:00	-1	1.2	2.7	32	8.4	47.1	66
10/20/2009 15:00	8	1.0	2.2	65	8.5	47.3	64
10/20/2009 16:00	-5	1.4	3.1	339	7.5	45.5	72
10/20/2009 17:00	23	0.5	1.1	230	6.3	43.3	83
10/20/2009 18:00	-2	0.7	1.6	195	4.9	40.8	84
10/20/2009 19:00	-2	0.4	0.9	273	2.1	35.8	89
10/20/2009 20:00	3	0.6	1.3	348	1.1	34.0	91
10/20/2009 21:00	10	1.0	2.2	332	0.4	32.7	91
10/20/2009 22:00	-5	0.8	1.8	202	-0.4	31.3	91
10/20/2009 23:00	7	1.0	2.2	188	1.4	34.5	92
10/21/2009 0:00	1	0.9	2.0	171	0.7	33.3	91

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
10/21/2009 1:00	-5	1.3	2.9	217	0.4	32.7	92
10/21/2009 2:00	7	1.6	3.6	206	0.5	32.9	91
10/21/2009 3:00	4	1.6	3.6	204	0.2	32.4	90
10/21/2009 4:00	1	1.3	2.9	189	0.2	32.4	90
10/21/2009 5:00	3	0.8	1.8	204	0.0	32.0	90
10/21/2009 6:00	-2	0.3	0.7	197	-0.1	31.8	90
10/21/2009 7:00	2	0.3	0.7	178	-0.5	31.1	90
10/21/2009 8:00	-1	0.5	1.1	206	-0.4	31.3	88
10/21/2009 9:00	21	1.8	4.0	201	3.3	37.9	79
10/21/2009 10:00	-5	2.0	4.5	193	5.8	42.4	70
10/21/2009 11:00	0	2.4	5.4	178	7.0	44.6	66
10/21/2009 12:00	10	2.8	6.3	188	9.6	49.3	64
10/21/2009 13:00	8	2.9	6.5	186	10.3	50.5	64
10/21/2009 14:00	10	3.2	7.2	186	10.1	50.2	64
10/21/2009 15:00	14	3.4	7.6	189	11.0	51.8	65
10/21/2009 16:00	3	3.4	7.6	189	10.2	50.4	65
10/21/2009 17:00	10	3.3	7.4	205	9.5	49.1	65
10/21/2009 18:00	-4	3.3	7.4	221	8.4	47.1	66
10/21/2009 19:00	-1	2.4	5.4	213	7.3	45.1	67
10/21/2009 20:00	-2	2.2	4.9	206	6.9	44.4	69
10/21/2009 21:00	0	2.2	4.9	215	6.4	43.5	71
10/21/2009 22:00	6	2.4	5.4	200	6.4	43.5	73
10/21/2009 23:00	5	2.4	5.4	217	6.8	44.2	72
10/22/2009 0:00	5	2.4	5.4	205	6.9	44.4	72
10/22/2009 1:00	3	2.0	4.5	178	6.9	44.4	73
10/22/2009 2:00	-2	2.1	4.7	180	6.7	44.1	73
10/22/2009 3:00	7	2.7	6.0	199	6.9	44.4	74
10/22/2009 4:00	0	2.7	6.0	191	7.0	44.6	74
10/22/2009 5:00	7	2.2	4.9	195	6.8	44.2	74
10/22/2009 6:00	-3	2.0	4.5	190	6.5	43.7	74
10/22/2009 7:00	18	1.2	2.7	339	4.7	40.5	84
10/22/2009 8:00	-5	0.7	1.6	338	3.2	37.8	90
10/22/2009 9:00	6	0.7	1.6	26	4.6	40.3	89
10/22/2009 10:00	11	1.0	2.2	151	6.9	44.4	79
10/22/2009 11:00	5	1.6	3.6	109	8.7	47.7	75
10/22/2009 12:00	-1	2.3	5.1	340	10.0	50.0	75
10/22/2009 13:00	1	2.0	4.5	348	10.2	50.4	75
10/22/2009 14:00	0	2.0	4.5	359	10.4	50.7	75
10/22/2009 15:00	-3	2.1	4.7	321	10.6	51.1	75
10/22/2009 16:00	7	1.2	2.7	49	9.8	49.6	76
10/22/2009 17:00	-4	1.1	2.5	18	9.5	49.1	77
10/22/2009 18:00	1	1.3	2.9	325	7.7	45.9	77
10/22/2009 19:00	-5	0.7	1.6	345	5.6	42.1	77
10/22/2009 20:00	-4	0.7	1.6	38	2.2	36.0	82
10/22/2009 21:00	18	0.6	1.3	200	1.3	34.3	86
10/22/2009 22:00	9	0.8	1.8	138	1.2	34.2	88
10/22/2009 23:00	-5	1.8	4.0	198	1.3	34.3	82
10/23/2009 0:00	1	1.6	3.6	185	1.0	33.8	83
10/23/2009 1:00	3	1.6	3.6	189	1.2	34.2	84
10/23/2009 2:00	22	0.6	1.3	8	0.0	32.0	87
10/23/2009 3:00	-5	0.9	2.0	165	-1.3	29.7	89
10/23/2009 4:00	0	1.6	3.6	187	-0.8	30.6	84
10/23/2009 5:00	4	1.5	3.4	175	-0.5	31.1	82
10/23/2009 6:00	-5	1.1	2.5	299	-0.6	30.9	82
10/23/2009 7:00	3	1.6	3.6	195	0.4	32.7	79
10/23/2009 8:00	12	1.5	3.4	220	1.4	34.5	76
10/23/2009 9:00	3	2.1	4.7	171	3.0	37.4	72
10/23/2009 10:00	-3	3.0	6.7	182	4.7	40.5	65
10/23/2009 11:00	19	3.7	8.3	196	9.8	49.6	48
10/23/2009 12:00	11	4.0	8.9	213	10.7	51.3	46
10/23/2009 13:00	17	4.4	9.8	211	11.1	52.0	46
10/23/2009 14:00	32	4.2	9.4	205	11.4	52.5	45
10/23/2009 15:00	30	3.7	8.3	217	11.2	52.2	48
10/23/2009 16:00	4	4.2	9.4	247	9.6	49.3	60
10/23/2009 17:00	5	2.1	4.7	187	8.7	47.7	67
10/23/2009 18:00	-3	2.3	5.1	206	7.6	45.7	77
10/23/2009 19:00	6	1.8	4.0	195	7.2	45.0	77
10/23/2009 20:00	-5	2.9	6.5	207	7.8	46.0	73
10/23/2009 21:00	4	3.0	6.7	207	7.3	45.1	75
10/23/2009 22:00	1	4.0	8.9	203	7.7	45.9	72
10/23/2009 23:00	5	3.4	7.6	213	8.2	46.8	69
10/24/2009 0:00	3	2.3	5.1	213	8.0	46.4	70
10/24/2009 1:00	-4	3.1	6.9	250	7.8	46.0	69
10/24/2009 2:00	-4	2.1	4.7	221	7.7	45.9	65
10/24/2009 3:00	1	2.1	4.7	189	7.9	46.2	62
10/24/2009 4:00	4	2.0	4.5	197	7.3	45.1	63
10/24/2009 5:00	2	2.3	5.1	220	6.4	43.5	64
10/24/2009 6:00	-2	2.1	4.7	213	6.6	43.9	63
10/24/2009 7:00	-3	3.1	6.9	245	4.5	40.1	77
10/24/2009 8:00	16	2.3	5.1	221	3.9	39.0	78

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
10/24/2009 9:00	-5	1.6	3.6	258	5.6	42.1	62
10/24/2009 10:00	8	3.1	6.9	266	7.2	45.0	62
10/24/2009 11:00	4	3.6	8.1	229	7.3	45.1	63
10/24/2009 12:00	7	4.5	10.1	245	8.2	46.8	63
10/24/2009 13:00	-5	2.9	6.5	271	7.5	45.5	64
10/24/2009 14:00	1	5.1	11.4	293	8.3	46.9	64
10/24/2009 15:00	4	4.7	10.5	292	8.3	46.9	64
10/24/2009 16:00	6	4.5	10.1	291	7.3	45.1	41
10/24/2009 17:00	-5	3.9	8.7	299	5.6	42.1	53
10/24/2009 18:00	-5	3.1	6.9	293	3.4	38.1	50
10/24/2009 19:00	-5	2.3	5.1	289	2.8	37.0	59
10/24/2009 20:00	5	1.8	4.0	295	1.8	35.2	61
10/24/2009 21:00	4	1.1	2.5	169	1.4	34.5	62
10/24/2009 22:00	-1	2.0	4.5	238	1.6	34.9	62
10/24/2009 23:00	8	1.6	3.6	244	1.5	34.7	62
10/25/2009 0:00	4	1.8	4.0	260	1.5	34.7	62
10/25/2009 1:00	10	1.5	3.4	287	0.7	33.3	71
10/25/2009 2:00	-5	AO	AO	AO	-1.2	29.8	80
10/25/2009 3:00	3	AO	AO	AO	-1.7	28.9	80
10/25/2009 4:00	3	AO	AO	AO	-2.9	26.8	81
10/25/2009 5:00	2	AO	AO	AO	-3.8	25.2	82
10/25/2009 6:00	3	AO	AO	AO	-3.7	25.3	79
10/25/2009 7:00	-4	AO	AO	AO	-4.3	24.3	81
10/25/2009 8:00	4	0.9	2.0	149	-4.1	24.6	82
10/25/2009 9:00	14	1.3	2.9	167	-0.6	30.9	74
10/25/2009 10:00	-5	1.9	4.3	183	2.4	36.3	58
10/25/2009 11:00	6	2.8	6.3	233	4.6	40.3	45
10/25/2009 12:00	0	2.7	6.0	252	6.2	43.2	35
10/25/2009 13:00	6	2.0	4.5	168	6.9	44.4	AN
10/25/2009 14:00	1	2.6	5.8	152	7.4	45.3	AN
10/25/2009 15:00	3	2.3	5.1	164	8.3	46.9	AN
10/25/2009 16:00	-5	1.8	4.0	185	8.7	47.7	AN
10/25/2009 17:00	6	1.8	4.0	298	7.9	46.2	AN
10/25/2009 18:00	-2	0.7	1.6	343	2.9	37.2	AN
10/25/2009 19:00	-5	0.5	1.1	265	-1.1	30.0	AN
10/25/2009 20:00	0	0.7	1.6	212	-0.7	30.7	AN
10/25/2009 21:00	-5	0.6	1.3	230	-0.4	31.3	AN
10/25/2009 22:00	14	0.6	1.3	251	-0.2	31.6	AN
10/25/2009 23:00	-5	1.2	2.7	227	0.3	32.5	AN
10/26/2009 0:00	7	3.3	7.4	173	4.3	39.7	AN
10/26/2009 1:00	1	3.9	8.7	184	5.3	41.5	AN
10/26/2009 2:00	10	4.0	8.9	185	5.8	42.4	AN
10/26/2009 3:00	3	4.7	10.5	209	6.4	43.5	AN
10/26/2009 4:00	2	4.4	9.8	206	6.2	43.2	AN
10/26/2009 5:00	-5	4.4	9.8	198	6.2	43.2	AN
10/26/2009 6:00	3	4.9	11.0	196	5.9	42.6	AN
10/26/2009 7:00	9	6.0	13.4	201	5.8	42.4	AN
10/26/2009 8:00	13	6.1	13.6	203	5.6	42.1	AN
10/26/2009 9:00	-2	5.6	12.5	201	7.5	45.5	AN
10/26/2009 10:00	5	5.3	11.9	199	9.6	49.3	AN
10/26/2009 11:00	8	6.3	14.1	198	10.7	51.3	AN
10/26/2009 12:00	19	6.4	14.3	198	11.2	52.2	AN
10/26/2009 13:00	-1	5.5	12.3	187	11.4	52.5	AN
10/26/2009 14:00	16	6.1	13.6	202	11.6	52.9	AN
10/26/2009 15:00	4	4.7	10.5	183	11.7	53.1	AN
10/26/2009 16:00	1	4.2	9.4	183	11.8	53.2	AN
10/26/2009 17:00	6	4.4	9.8	184	11.8	53.2	AN
10/26/2009 18:00	-5	2.7	6.0	201	11.3	52.3	AN
10/26/2009 19:00	6	4.3	9.6	219	11.0	51.8	AN
10/26/2009 20:00	-5	4.8	10.7	259	5.8	42.4	AN
10/26/2009 21:00	-2	2.9	6.5	209	3.9	39.0	AN
10/26/2009 22:00	12	2.3	5.1	246	3.5	38.3	AN
10/26/2009 23:00	-5	2.5	5.6	250	3.2	37.8	AN
10/27/2009 0:00	6	2.3	5.1	181	3.1	37.6	AN
10/27/2009 1:00	1	3.0	6.7	222	2.2	36.0	AN
10/27/2009 2:00	-1	2.1	4.7	228	1.7	35.1	AN
10/27/2009 3:00	2	1.2	2.7	245	1.0	33.8	AN
10/27/2009 4:00	1	2.8	6.3	237	1.1	34.0	AN
10/27/2009 5:00	-3	1.7	3.8	243	0.3	32.5	AN
10/27/2009 6:00	-2	0.3	0.7	312	-0.8	30.6	AN
10/27/2009 7:00	8	0.3	0.7	305	-1.5	29.3	AN
10/27/2009 8:00	-5	0.3	0.7	268	-1.0	30.2	AN
10/27/2009 9:00	2	2.1	4.7	249	0.3	32.5	AN
10/27/2009 10:00	0	3.1	6.9	271	1.0	33.8	AN
10/27/2009 11:00	4	2.3	5.1	262	1.7	35.1	AN
10/27/2009 12:00	-5	2.8	6.3	282	1.7	35.1	AN
10/27/2009 13:00	0	3.6	8.1	286	1.6	34.9	AN
10/27/2009 14:00	11	3.4	7.6	330	2.2	36.0	AN
10/27/2009 15:00	0	1.6	3.6	33	0.8	33.4	AN
10/27/2009 16:00	2	1.7	3.8	61	-0.1	31.8	AN
10/27/2009 17:00	-5	1.3	2.9	80	-0.4	31.3	AN

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
10/27/2009 18:00	-1	1.0	2.2	178	-0.7	30.7	AN
10/27/2009 19:00	7	1.2	2.7	70	-0.9	30.4	AN
10/27/2009 20:00	1	1.1	2.5	47	-1.3	29.7	AN
10/27/2009 21:00	4	1.0	2.2	40	-1.7	28.9	AN
10/27/2009 22:00	3	1.3	2.9	81	-2.5	27.5	AN
10/27/2009 23:00	5	0.7	1.6	51	-2.5	27.5	AN
10/28/2009 0:00	8	0.6	1.3	218	-3.1	26.4	AN
10/28/2009 1:00	2	0.7	1.6	300	-2.9	26.8	AN
10/28/2009 2:00	-1	0.8	1.8	334	-2.8	27.0	AN
10/28/2009 3:00	0	0.8	1.8	337	-2.8	27.0	AN
10/28/2009 4:00	14	0.8	1.8	39	-2.7	27.1	AN
10/28/2009 5:00	-2	0.8	1.8	12	-2.6	27.3	AN
10/28/2009 6:00	8	0.9	2.0	14	-2.6	27.3	AN
10/28/2009 7:00	7	1.2	2.7	343	-2.6	27.3	AN
10/28/2009 8:00	11	1.2	2.7	336	-2.8	27.0	AN
10/28/2009 9:00	8	1.3	2.9	317	-2.6	27.3	AN
10/28/2009 10:00	16	1.4	3.1	320	-1.6	29.1	AN
10/28/2009 11:00	12	0.9	2.0	20	-0.2	31.6	AN
10/28/2009 12:00	-1	1.3	2.9	13	0.9	33.6	AN
10/28/2009 13:00	8	1.3	2.9	13	1.6	34.9	AN
10/28/2009 14:00	2	1.4	3.1	15	1.6	34.9	AN
10/28/2009 15:00	10	1.7	3.8	359	1.6	34.9	AN
10/28/2009 16:00	7	1.6	3.6	312	0.5	32.9	AN
10/28/2009 17:00	4	1.2	2.7	31	0.2	32.4	AN
10/28/2009 18:00	11	1.6	3.6	269	-1.2	29.8	AN
10/28/2009 19:00	-3	0.9	2.0	24	-1.0	30.2	AN
10/28/2009 20:00	5	0.9	2.0	24	-1.2	29.8	AN
10/28/2009 21:00	1	1.3	2.9	39	-1.8	28.8	AN
10/28/2009 22:00	1	1.2	2.7	22	-2.4	27.7	AN
10/28/2009 23:00	15	0.9	2.0	13	-3.6	25.5	AN
10/29/2009 0:00	-5	1.0	2.2	284	-6.1	21.0	AN
10/29/2009 1:00	9	1.0	2.2	260	-8.3	17.1	AN
10/29/2009 2:00	3	0.5	1.1	188	-8.6	16.5	AN
10/29/2009 3:00	22	0.6	1.3	251	-7.1	19.2	AN
10/29/2009 4:00	-5	0.7	1.6	223	-8.6	16.5	AN
10/29/2009 5:00	14	0.8	1.8	158	-7.6	18.3	AN
10/29/2009 6:00	2	0.6	1.3	163	-7.6	18.3	AN
10/29/2009 7:00	-1	1.1	2.5	191	-6.4	20.5	AN
10/29/2009 8:00	11	1.5	3.4	191	-5.2	22.6	AN
10/29/2009 9:00	5	2.0	4.5	193	-4.4	24.1	AN
10/29/2009 10:00	8	2.6	5.8	196	-3.1	26.4	AN
10/29/2009 11:00	8	2.6	5.8	197	-1.1	30.0	AN
10/29/2009 12:00	-5	1.8	4.0	249	-1.0	30.2	AN
10/29/2009 13:00	8	2.3	5.1	223	1.1	34.0	AN
10/29/2009 14:00	11	2.9	6.5	212	1.6	34.9	AN
10/29/2009 15:00	3	3.0	6.7	208	2.8	37.0	AN
10/29/2009 16:00	4	3.0	6.7	223	2.3	36.1	AN
10/29/2009 17:00	0	2.7	6.0	231	1.5	34.7	AN
10/29/2009 18:00	11	2.9	6.5	235	1.2	34.2	AN
10/29/2009 19:00	8	2.5	5.6	205	0.5	32.9	AN
10/29/2009 20:00	8	2.9	6.5	205	0.6	33.1	AN
10/29/2009 21:00	1	3.4	7.6	213	0.3	32.5	AN
10/29/2009 22:00	4	1.3	2.9	314	-1.3	29.7	AN
10/29/2009 23:00	11	1.0	2.2	5	-2.1	28.2	AN
10/30/2009 0:00	6	1.0	2.2	11	-2.3	27.9	AN
10/30/2009 1:00	6	0.9	2.0	358	-2.3	27.9	AN
10/30/2009 2:00	3	1.1	2.5	2	-1.9	28.6	AN
10/30/2009 3:00	18	1.3	2.9	325	-1.6	29.1	AN
10/30/2009 4:00	-5	0.8	1.8	28	-1.3	29.7	AN
10/30/2009 5:00	9	0.8	1.8	36	-1.0	30.2	AN
10/30/2009 6:00	6	1.0	2.2	318	-0.2	31.6	AN
10/30/2009 7:00	4	0.7	1.6	184	0.5	32.9	AN
10/30/2009 8:00	-5	1.3	2.9	132	1.4	34.5	AN
10/30/2009 9:00	0	1.1	2.5	340	1.9	35.4	AN
10/30/2009 10:00	8	1.0	2.2	288	3.7	38.7	AN
10/30/2009 11:00	7	1.1	2.5	36	7.0	44.6	AN
10/30/2009 12:00	-3	2.7	6.0	254	8.9	48.0	AN
10/30/2009 13:00	8	2.5	5.6	292	9.3	48.7	AN
10/30/2009 14:00	BA	BA	BA	99	9.9	49.8	AN
10/30/2009 15:00	BA	3.0	6.7	246	10.4	50.7	AN
10/30/2009 16:00	7	5.1	11.4	245	10.5	50.9	AN
10/30/2009 17:00	-5	4.2	9.4	262	9.8	49.6	AN
10/30/2009 18:00	10	3.7	8.3	271	9.1	48.4	AN
10/30/2009 19:00	-1	3.7	8.3	252	8.8	47.8	AN
10/30/2009 20:00	6	2.1	4.7	175	7.9	46.2	AN
10/30/2009 21:00	0	1.9	4.3	146	7.5	45.5	AN
10/30/2009 22:00	0	2.0	4.5	167	7.2	45.0	AN
10/30/2009 23:00	-5	2.2	4.9	179	7.2	45.0	AN
10/31/2009 0:00	-5	2.8	6.3	192	7.7	45.9	AN

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
10/31/2009 2:00	3	3.2	7.2	187	7.4	45.3	AN
10/31/2009 3:00	5	3.5	7.8	182	7.4	45.3	AN
10/31/2009 4:00	-1	4.2	9.4	183	7.9	46.2	AN
10/31/2009 5:00	6	4.2	9.4	168	8.3	46.9	AN
10/31/2009 6:00	1	4.0	8.9	169	8.1	46.6	AN
10/31/2009 7:00	7	3.6	8.1	193	8.2	46.8	AN
10/31/2009 8:00	-5	3.9	8.7	180	7.9	46.2	AN
10/31/2009 9:00	10	4.7	10.5	163	8.3	46.9	AN
10/31/2009 10:00	1	4.9	11.0	188	8.9	48.0	AN
10/31/2009 11:00	2	4.7	10.5	204	9.6	49.3	AN
10/31/2009 12:00	-1	4.3	9.6	206	10.5	50.9	AN
10/31/2009 13:00	7	4.1	9.2	220	12.2	54.0	AN
10/31/2009 14:00	3	3.7	8.3	248	13.6	56.5	AN
10/31/2009 15:00	5	4.6	10.3	265	15.1	59.2	AN
10/31/2009 16:00	-5	4.5	10.1	274	13.1	55.6	AN
10/31/2009 17:00	2	3.8	8.5	276	11.1	52.0	AN
10/31/2009 18:00	0	2.8	6.3	257	9.2	48.6	AN
10/31/2009 19:00	2	2.1	4.7	239	9.0	48.2	AN
10/31/2009 20:00	-5	1.2	2.7	134	8.0	46.4	AN
10/31/2009 21:00	11	2.3	5.1	200	8.1	46.6	AN
10/31/2009 22:00	-3	1.4	3.1	107	7.1	44.8	AN
10/31/2009 23:00	7	1.4	3.1	215	6.9	44.4	AN
11/1/2009 0:00	1	2.9	6.5	262	6.5	43.7	AN

AM = Miscellaneous void

AN = Machine malfunction

AO = Bad weather

BA = Routine maintenance / repairs